

## Protein Disulfide Isomerase A3 (PDIA3) Recombinant Protein | PDIA3 recombinant protein

Recombinant Protein Disulfide Isomerase A3 (PDIA3)

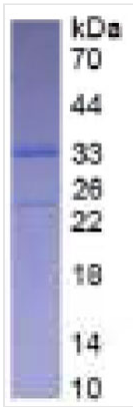
|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134184</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Protein Disulfide Isomerase A3 (PDIA3); Recombinant Protein Disulfide Isomerase A3 (PDIA3); PDIA3 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                            | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                                   | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                           | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                         | Original Concentration: 60ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence                                              | DSFSEAHSEF LKAASNLRDN YRFAHTNVES LVNEYDDNGE GIILFRPSHL TNKFEDKTVA YTEQKMTSGK<br>IKKFIQENIF GICPHMTEDN KDLIQGKDLL IAYYDVDEYK NAKGSNYWRN RVMMVAKKFL DAGHKLNFV<br>ASRKTFSEL SDFGLESTAG EIPVVAIRTA KGEKFVMQEE FSRDGKALER FLQDYFDGNL KRYLKSEPIP<br>ESNDGPVKVV VAENFDEIVN NENKDVLI EF YAPWCGHCKN LEPKY                                                                                                                                                                                                                                         |
| Applicable Applications for PDIA3 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source                                                | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Residues                                              | Asp162~Tyr416                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tags                                                  | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Subcellular Location                                  | Endoplasmic reticulum lumen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Traits                                                | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted isoelectric point                           | 5.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                 | Reconstitute in ddH2O to a concentration of 0.1-0.6 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                               | <p><b>Storage:</b><br/>Avoid repeated freeze/thaw cycles.<br/>Store at 2-8 degree C for one month.<br/>Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21361657                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 2923                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_005304.3                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_005313.4                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt Accession #              | P30101; Q13453; Q14255; Q8IYF8; Q9UMU7; AAB37397                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Molecular Weight                 | Predicted Molecular Mass: 30.8kDa<br>Accurate Molecular Mass: 33/24kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | protein disulfide-isomerase A3                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | protein disulfide isomerase family A, member 3                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Symbol             | PDIA3                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | P58; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; PI-PLC; HsT17083; HEL-S-269; HEL-S-93n                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Protein Information         | protein disulfide-isomerase A3; ER protein 57; ER protein 60; phospholipase C-alpha; 58 kDa microsomal protein; disulfide isomerase ER-60; endoplasmic reticulum P58; 58 kDa glucose-regulated protein; glucose regulated protein, 58kDa; epididymis secretory protein Li 269; protein disulfide isomerase-associated 3; endoplasmic reticulum resident protein 57; endoplasmic reticulum resident protein 60; epididymis secretory sperm binding protein Li 93n |
| UniProt Protein Name             | Protein disulfide-isomerase A3                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt Gene Name                | PDIA3                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | ERP57; ERP60; GRP58; p58; ER protein 57; ERp57; ER protein 60; ERp60                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt Entry Name               | PDIA3_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pdia3-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134184>