

## Dickkopf Related Protein 3 Recombinant Protein | DKK3 recombinant protein

Recombinant Dickkopf Related Protein 3 (DKK3)

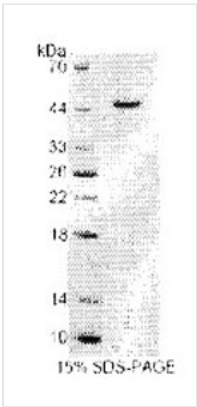
|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA144301</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Dickkopf Related Protein 3; Recombinant Dickkopf Related Protein 3 (DKK3); DKK3 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                  | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format                                          | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                        | Original Concentration: 900 ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applicable Applications for DKK3 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organism Species                                     | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Residues                                             | Pro41~Ile348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tags                                                 | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Subcellular Location                                 | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted isoelectric point                          | 4.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted Molecular Mass                             | 38.2KDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Accurate Molecular Mass                              | 46kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Phenomenon explanation                               | <p>The possible reasons that the actual band size differs from the predicted are as follows:</p> <ol style="list-style-type: none"> <li>1.Splice variants: Alternative splicing may create different sized proteins from the same gene.</li> <li>2. Relative charge: The composition of amino acids may affects the charge of the protein.</li> <li>3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.</li> <li>4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.</li> <li>5. Polymerization of the target protein: Dimerization, multimerization etc.</li> </ol> |
| USAGE                                                | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                              | <p>Storage: Avoid repeated freeze/thaw cycles.<br/>Store at 2-8°C for one month.<br/>Aliquot and store at -80°C for 12 months.</p> <p>Stability Test: 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°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 #                        | 66346689                                   |
| NCBI GeneID                      | 27122                                      |
| NCBI Accession #                 | NP_001018067.1                             |
| NCBI GenBank Nucleotide #        | NM_001018057.1                             |
| NCBI Official Full Name          | dickkopf-related protein 3                 |
| NCBI Official Synonym Full Names | dickkopf WNT signaling pathway inhibitor 3 |
| NCBI Official Symbol             | DKK3                                       |
| NCBI Official Synonym Symbols    | RIG; REIC                                  |
| NCBI Protein Information         | dickkopf-related protein 3                 |
| UniProt Protein Name             | Dickkopf-related protein 3                 |
| UniProt Gene Name                | DKK3                                       |
| UniProt Synonym Gene Names       | REIC; Dickkopf-3; Dkk-3; hDkk-3            |
| UniProt Entry Name               | DKK3_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/dkk3-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144301>