

## Plasminogen Activator Inhibitor 2 (PAI2) Recombinant Protein | PAI2 recombinant protein

Recombinant Plasminogen Activator Inhibitor 2 (PAI2)

|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA135466</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

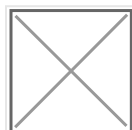
### PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 2 (PAI2); Recombinant Plasminogen Activator Inhibitor 2 (PAI2); PAI2 recombinant protein

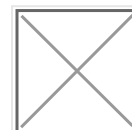
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                           | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                                  | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                          | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration                                        | Original Concentration: 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for PAI2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Residues                                             | Asn170~Pro393                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tags                                                 | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Subcellular Location                                 | Secreted, Cytoplasm, Extracellular matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Predicted isoelectric point                          | 5.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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><b>Storage:</b><br/>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><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°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> |

### IMAGES



Sequence



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 219689110                                                                                                                                                                                                                                                               |
| NCBI GeneID                      | 5055                                                                                                                                                                                                                                                                    |
| NCBI Accession #                 | NP_001137290.1                                                                                                                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_001143818.1                                                                                                                                                                                                                                                          |
| UniProt Accession #              | P05120; Q96E96                                                                                                                                                                                                                                                          |
| Molecular Weight                 | Predicted Molecular Mass: 29.1kDa<br>Accurate Molecular Mass: 31kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                      |
| NCBI Official Full Name          | plasminogen activator inhibitor 2                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | serpin peptidase inhibitor, clade B (ovalbumin), member 2                                                                                                                                                                                                               |
| NCBI Official Symbol             | SERPINB2                                                                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | PAI; PAI2; PAI-2; PLANH2; HsT1201                                                                                                                                                                                                                                       |
| NCBI Protein Information         | plasminogen activator inhibitor 2; serpin B2; monocyte Arg-serpin; urokinase inhibitor; placental plasminogen activator inhibitor; plasminogen activator inhibitor, type II (arginine-serpin); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2 |
| UniProt Protein Name             | Plasminogen activator inhibitor 2                                                                                                                                                                                                                                       |
| UniProt Gene Name                | <b>SERPINB2</b>                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | PAI2; PLANH2; PAI-2                                                                                                                                                                                                                                                     |
| UniProt Entry Name               | PAI2_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/serpinb2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135466>