

## Inter Alpha-Globulin Inhibitor H3 Recombinant Protein | ITIH3 recombinant protein

Recombinant Inter Alpha-Globulin Inhibitor H3 (ITIH3)

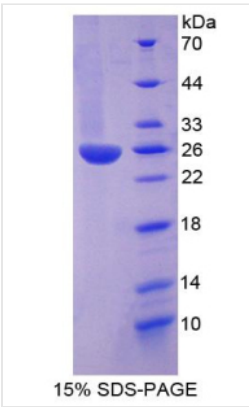
|                               |                             |                                           |                                               |
|-------------------------------|-----------------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA144349</b> | HOST<br><b>Host: E Coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------------|-------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Inter Alpha-Globulin Inhibitor H3; Recombinant Inter Alpha-Globulin Inhibitor H3 (ITIH3); ITIH3 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Host: E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                            | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                                   | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                           | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concentration                                         | Original Concentration : 200 Ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length                                       | 890                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for ITIH3 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source                                                | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Residues                                              | Pro279~Val467                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tags                                                  | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Subcellular Location                                  | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Traits                                                | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Buffer formulation                                    | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Predicted isoelectric point                           | 5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted Molecular Mass                              | 25.2kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Accurate Molecular Mass                               | 26kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [ 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 #                        | 133925809                                                              |
| NCBI GeneID                      | 3699                                                                   |
| NCBI Accession #                 | NP_002208.3                                                            |
| NCBI GenBank Nucleotide #        | NM_002217.3                                                            |
| NCBI Official Full Name          | inter-alpha-trypsin inhibitor heavy chain H3 preproprotein             |
| NCBI Official Synonym Full Names | inter-alpha-trypsin inhibitor heavy chain 3                            |
| NCBI Official Symbol             | ITIH3                                                                  |
| NCBI Official Synonym Symbols    | H3P; SHAP; ITI-HC3                                                     |
| NCBI Protein Information         | inter-alpha-trypsin inhibitor heavy chain H3                           |
| UniProt Protein Name             | Inter-alpha-trypsin inhibitor heavy chain H3                           |
| UniProt Gene Name                | ITIH3                                                                  |
| UniProt Synonym Gene Names       | ITI heavy chain H3; ITI-HC3; Inter-alpha-inhibitor heavy chain 3; SHAP |
| UniProt Entry Name               | ITIH3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/itih3-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144349>