

# Insulin Like Growth Factor Binding Protein 1 (IGFBP1) Recombinant Protein | IGFBP1 recombinant protein

Recombinant Insulin Like Growth Factor Binding Protein 1 (IGFBP1)

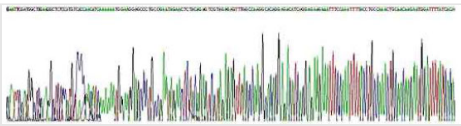
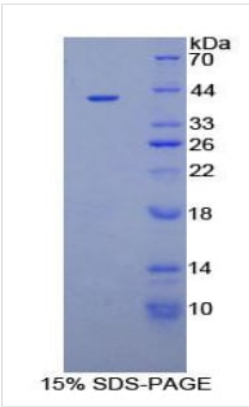
|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134563</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

## PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 1 (IGFBP1); Recombinant Insulin Like Growth Factor Binding Protein 1 (IGFBP1); IGFBP1 recombinant protein

## PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                                    | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                            | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                          | Original Concentration: 80ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence                                               | DGSKALHVTN IKKWKEPCRI ELYRVVESLA KAQETSGEEI SKFYLPNCNK NGFYHSRQCE TSMDGEAGLC WCVYPWNGKR IPGSPEIRGD P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for IGFBP1 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source                                                 | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Residues                                               | Asp159~Pro249                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tags                                                   | N-terminal His and GST Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Subcellular Location                                   | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Traits                                                 | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Predicted isoelectric point                            | 7.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Usage                                                  | Reconstitute in ddH2O to a concentration of 0.1-0.5 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> |



Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504615                                                                                                                                                                                                                                                                                            |
| NCBI GeneID                      | 3484                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_000587.1                                                                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_000596.2                                                                                                                                                                                                                                                                                        |
| UniProt Accession #              | P08833; Q8IYP5; A4D2F4; D3DVL9                                                                                                                                                                                                                                                                     |
| Molecular Weight                 | Predicted Molecular Mass: 43.4kDa<br>Accurate Molecular Mass: 43kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                 |
| NCBI Official Full Name          | insulin-like growth factor-binding protein 1                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | insulin-like growth factor binding protein 1                                                                                                                                                                                                                                                       |
| NCBI Official Symbol             | IGFBP1                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1                                                                                                                                                                                                                                                               |
| NCBI Protein Information         | insulin-like growth factor-binding protein 1; IBP-1; IGFBP-1; binding protein-25; binding protein-26; binding protein-28; placental protein 12; IGF-binding protein 1; amniotic fluid binding protein; growth hormone independent-binding protein; alpha-pregnancy-associated endometrial globulin |
| UniProt Protein Name             | Insulin-like growth factor-binding protein 1                                                                                                                                                                                                                                                       |
| UniProt Gene Name                | IGFBP1                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | IBP1; IBP-1; IGF-binding protein 1; IGFBP-1; PP12                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | IBP1_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/igfbp1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134563>