

IGFBP-1 recombinant protein

Recombinant human IGFBP-1 protein

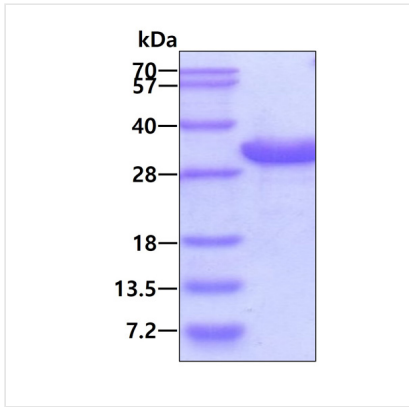
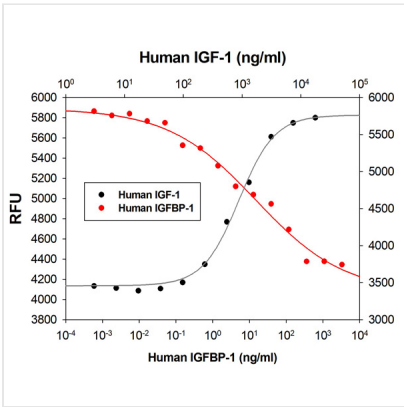
CATALOG # AAA48429	HOST HEK293	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

PRODUCT SYNONYMS

IGFBP-1; Recombinant human IGFBP-1 protein; insulin like growth factor binding protein 1; IGFBP1; AFBP; hIGFBP-1; IBP1; IGF-BP25; PP12; IGF-binding protein 1; Placental protein 12; amniotic fluid binding protein; alpha-pregnancy-associated endometrial globulin; IGFBP-1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	26-259aa
Sequence	APWQCAPCSA EKLALCPPVS ASCSEVTRSA GCGCCPMCAL PLGAACGVAT ARCARGLSCR ALPGEQQPLH ALTRGQGACV QESDASAPHA AEAGSPESPE STEITEEELL DNFHLMAPSE EDHSILWDAI STYDGSKALH VTNIKKWKEP CRIELYRVVE SLAKAQETSG EEISKFYLPN CNKNGFYHSR QCETSMDGEA GLCWCVYPWN GKRIPGSPEI RGDPCNCQIYF NVQN
Applicable Applications for IGFBP-1 recombinant protein	Bioactivity, SDS-PAGE
Species	Human
Tag	Non-Tagged
Predicted Nterm	Ala26
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Bioactivity	Measured by its ability to inhibit proliferation using MCF-7 human breast cancer cells in the presence of Human IGF-1. The ED50 range <=3 ug/ml.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



Bioactivity
MagnifyHuman IGFBP-1 inhibit proliferation using MCF-7 human breast cancer cells in the presence of Human IGF-1. The ED50 range

SDS-PAGE
Magnify3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for IGFBP-1 recombinant protein	IGFBP-1(Insulin-like growth factor-binding protein 1), also known as PP12(placental protein 12), is a member of the Insulin-like growth factor-binding protein family. This protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. IGFBP-1 is expressed in liver, decidua, kidneys and is the most abundant IGFBP in amniotic fluid. Serum levels of IGFBP-1 are lowest after meals. Hepatocyte production of IGFBP-1 is regulated at the transcriptional level due to the affects of insulin and corticosteriods. Recombinant human IGFBP-1 was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for IGFBP-1 recombinant protein	Signal Transduction
References	Jones, J.I. and D.R. Clemmons (1995) Endocrine Rev. 16:3-34.; Kelley, K.M., et al, (1996) Int. J. Biochem. Cell Biol. 28:619-637.; J.Ekstrand., et al, (1990) Genomics. 6:413-418.

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	27,904 Da
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; IGF-binding protein 1; IGFBP-1; alpha-pregnancy-associated endometrial globulin; amniotic fluid binding protein; binding protein-25; binding protein-26; binding protein-28; growth hormone independent-bi
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/igfbp1-recombinant-protein-hek293-bioactivity-sds-page/48429>