

Insulin Like Growth Factor Binding Protein-1 Active Protein | IGFBP1 active protein

Human Insulin Like Growth Factor Binding Protein-1

CATALOG # AAA38149	HOST Mouse myeloma cell line NS0
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PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein-1; Human Insulin Like Growth Factor Binding Protein-1; IGFBP 1 Human; Insulin-Like Growth Factor Binding Protein-1 Human; IBP-1; IGF-Binding Protein 1; AFBP; PP12; IGF-BP25; hIGFBP-1; IGFBP-1; IGFBP1 active protein

PRODUCT SPECIFICATIONS

Host	Mouse myeloma cell line NS0
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	IGFBP-1 protein was lyophilized (freeze-dried) powder.
Sequence	APWQCAPCSA EKLALCPPVS ASCSEVTRSA GCGCCPMCAL PLGAACGVAT ARCARGLSR ALPGEQQPLH ALTRGQGACV QESDASAPHA AEAGSPESPE STEITEEELL DNFHLMAPSE EDHSILWDAI STYDGSKALH VTNIKKWKEP CRIELYRVVE SLAKAQETSG EEISKFYLPN CNKNGFYHSR QCETSMGGEA GLCWCVYPWN GKRIPGSPEI RGDPCNCQIYF NVQN
Sequence Length	259
Solubility	It is recommended to reconstitute the lyophilized IGFBP1 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the inhibition of rHuIGF-I-induced proliferation of human MCF-7 cells, is less than 4ug/ml.
Preparation and Storage	Lyophilized IGFBP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IGF-BP1 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IGFBP1 active protein	Description: IGFBP-1 Human Recombinant (26-259 a.a.) produced in NS0 is a single, glycosylated, polypeptide chain containing 234 amino acids and having a molecular mass of 25kDa. The IGFBP1 is purified by proprietary chromatographic techniques. Introduction: IGFBP1 is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product Categories/Family for IGFBP1 active protein	Cytokines and Growth Factors; Growth Factors; IGFBP

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-binding protein; placental protein 12
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/mouse-myeloma-cell-line-ns0-igfbp1-active-protein/insulin-like-growth-factor-binding-protein-1/38149>