

Insulin Like Growth Factor Binding Protein-3 Active Protein | IGFBP3 active protein

Recombinant Human Insulin Like Growth Factor Binding Protein-3

CATALOG # AAA38150	HOST Escherichia Coli.
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PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein-3; Recombinant Human Insulin Like Growth Factor Binding Protein-3; IGFBP 3 Human; Insulin-Like Growth Factor Binding Protein-3 Human Recombinant; Growth-hormone-dependant binding protein; IBP3; BP-53; IGFBP-3; IGFBP3 active protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli.
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated (0.5mg/ml) solution in PBS, pH 7.4.
Sequence	GASSGGLGPV VRCEPCDARA LAQCAPPPAV CAELVREPGC GCCLTCLASE GQPCGIYTER CGSGLRCQPS PDEARPLQAL LDGRGLCVNA SAVSRLRAYL LPAPPAPGNA SESEEDRSAG EVESPSVSST HRVSDPKFHP LHSKIIIIKK GHAKDSQRYK VDYESQSTDT QNFSSESKRE TEYGPCRREM EDTLNHLKFL NVLSPRGVHI PNCDKKGFYK KKQCRPSKGR KRGFCWCVDK YGQPLPGYTT KGKEDVHCYS MQSK
Sequence Length	291
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Insulin-Like Growth Factor Binding Protein-3 in sterile water ranging from 0.1mg-1mg/mL, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ calculated by its ability to inhibit IGF-II induced proliferation of MCF-7 is ≤ 200 ng/ml in the presence of 15 ng/ml of Human IGF-II, corresponding to specific activity of 5.0×10^3 IU/mg.
Preparation and Storage	Lyophilized IBP3 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IGF-BP 3 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 IGFBP3 active protein	IGFBP3 Human Recombinant produced in E Coli is a homodimeric, non-glycosylated, polypeptide chain containing 2x264 amino acids and having a molecular mass of 28806 Dalton. IGFBP-3 is purified by proprietary chromatographic techniques.
Product Categories/Family for IGFBP3 active protein	Cytokines and Growth Factors ; Growth Factors ; IGFBP

NCBI AND UNIPROT INFORMATION

NCBI GI #	62243068
NCBI GeneID	3486
NCBI Accession #	NP_000589.2
NCBI GenBank Nucleotide #	NM_000598.4

UniProt Accession #	P17936; Q2V509; Q6P1M6; Q9UCL4; A4D2F5; D3DVM0
NCBI Official Full Name	insulin-like growth factor-binding protein 3 isoform b
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 3
NCBI Official Symbol	IGFBP3
NCBI Official Synonym Symbols	IBP3; BP-53
NCBI Protein Information	insulin-like growth factor-binding protein 3; IBP-3; IGF-binding protein 3; IGFBP-3; acid stable subunit of the 140 K IGF complex; binding protein 29; binding protein 53; growth hormone-dependent binding protein
UniProt Protein Name	Insulin-like growth factor-binding protein 3
UniProt Gene Name	IGFBP3
UniProt Synonym Gene Names	IBP3; IBP-3; IGF-binding protein 3; IGFBP-3
UniProt Entry Name	IBP3_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/escherichia-coli-igfbp3-active-protein/insulin-like-growth-factor-binding-protein-3/38150>