

Insulin Like Growth Factor Binding Protein-7 Recombinant Protein | IGFBP7 recombinant protein

Recombinant Human Insulin Like Growth Factor Binding Protein-7

CATALOG #

AAA39127

PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein-7; Recombinant Human Insulin Like Growth Factor Binding Protein-7; IGFBP7 Human; Insulin-Like Growth Factor Binding Protein-7 Human Recombinant; Insulin-like growth factor-binding protein 7; IBP-7; IGF-binding protein 7; IGFBP-7; IGFBP-rP1; MAC25 protein; PGI2-stimulating factor; Prostacyclin-stimulating factor; Tumor-derived adhesion factor; TAF; IGFBP7; MAC25; PSF; AGM; FSTL2; RAMSVPS; IGFBP-7v; IGFBPRP1; IGFBP7 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The IGFBP7 was lyophilized from a 0.2 um filtered concentrated solution in 20mM Tris-HCl, pH 8.5 and 150mM NaCl. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	SSSDTCGPCE PASCPLPPL GCLLGETRDA CGCCPMCARG EGEP CGGGGA GRGYCAPGME CVKSRKRRKG KAGAAAGGPG VSGVCVCKSR YPVCSDGTT YPSGCQLRAA SQRAESRGEK AITQVSKGTC EQGPSIVTPP KDIWNV TGAQ VYLSCEVIGI PTPVLIWNKV KRGHYGVQRT ELLPGDRDNL AIQTRGGPEK HEVTGWVLVS PLSKEDAGEY ECHASNSQGG ASASAKITVV DALHEIPVKK GEGAEI
Source	E.coli
Solubility	It is recommended to reconstitute the lyophilized IGFBP-7 in sterile 20mM AcOH (acetic Acid) not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized IGFBP7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFBP-7 should be stored at 4°C between 2-7 days and for future use below -18°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 IGFBP7 recombinant protein	Description: Recombinant Human IGFBP7 produced in E Coli cells is a non-glycosylated, homodimeric protein containing 2 x 256 amino acid chains and having a molecular mass of 26.4kDa. The IGFBP-7 is purified by proprietary chromatographic techniques. Introduction: Insulin-like Growth Factor-Binding Protein 7 (IGFBP7) is a member of the IGFBP family. IGFBP family members are all cysteine rich proteins with conserved cysteine and have an IGFBP domain, a Kaza-like domain and an Ig-like C2-type domain. IGFBP7 is expressed in a broad range of normal human tissues and it mostly shows reduced expression in cancer cell lines of prostate, breast, colon, and lung origin. IGFBP7 has a role in skeletal myogenesis by binding to IGF in a manner which inhibits IGF induced differentiation of skeletal myoblasts, without disturbing IGF induced proliferation. Moreover, IGFBP7 suppresses growth and colony formation of prostate and breast cancer cell lines via an IGF independent mechanism, which triggers a delay in the G1 phase of the cell cycle, and increased apoptosis.
Product Categories/Family for IGFBP7 recombinant protein	Cytokines and Growth Factors; Growth Factors; IGFBP

NCBI AND UNIPROT INFORMATION

NCBI GI #	359465608
NCBI GeneID	3490
NCBI Accession #	NP_001240764.1
NCBI GenBank Nucleotide #	NM_001253835.1
UniProt Accession #	Q16270; Q07822; Q53YE6; Q9UCA8; B4E1N2; B7Z9W7
NCBI Official Full Name	insulin-like growth factor-binding protein 7 isoform 2
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 7
NCBI Official Symbol	IGFBP7
NCBI Official Synonym Symbols	AGM; PSF; TAF; FSTL2; IBP-7; MAC25; IGFBP-7; RAMSVPS; IGFBP-7v; IGFBPRP1
NCBI Protein Information	insulin-like growth factor-binding protein 7; IGF-binding protein 7; IGFBP-rP1; PGI2-stimulating factor; angiomodulin; prostacyclin-stimulating factor; tumor-derived adhesion factor
UniProt Protein Name	Insulin-like growth factor-binding protein 7
UniProt Gene Name	IGFBP7
UniProt Synonym Gene Names	MAC25; PSF; IBP-7; IGF-binding protein 7; IGFBP-7; TAF
UniProt Entry Name	IBP7_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/igfbp7-recombinant-protein/39127>