

IGFBP7 recombinant protein

IGFBP7, 27-282aa, Human, His tag, E Coli

CATALOG # AAA48815	HOST E Coli	APPLICATIONS SDS-Page
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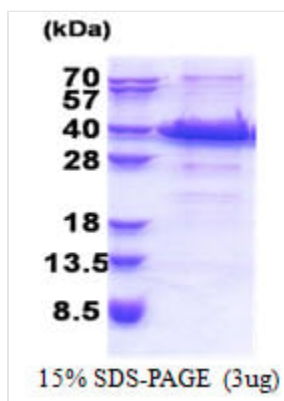
PRODUCT SYNONYMS

IGFBP7; 27-282aa; Human; His tag; E Coli; insulin-like growth factor-binding protein 7 isoform 1 precursor; AGM; FSTL2; IBP-7; IGFBP-7; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF; IGFBP7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSSSSDTCG PCEPASCPL PPLGCLLGET RDACGCCPMC ARGEGEPCGG GGAGRGYCAP GMECVKSRKR RKGKAGAAAG GPGVSGVCVC KSRYPVCGSD GTTYPSCGQL RAASQRAESR GEKAITQVSK GTCEQGPSIV TPPKDIWNVT GAQVYLSCEV IGIPTPVLIV NKVKRGHYGV QRTELLPGDR DNLAIQTRGG PEKHEVTGWV LVSPLSKEDA GEYECHASNS QGQASASAKI TVVDALHEIP VKKGEGAEI
Sequence Length	27-282aa
Applicable Applications for IGFBP7 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IGFBP7 recombinant protein	IGFBP7 is a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm Recombinant human IGFBP7 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for IGFBP7 recombinant protein	Cancer
References	Akaogi K., et al (1994). Biochem. Biophys. Res. Commun. 198:1046-1053; Oh Y., et al (1996). J. Biol. Chem. 271:30322-30325;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504619
NCBI GeneID	3490
NCBI Accession #	NP_001544
NCBI GenBank Nucleotide #	NM_001553.2
UniProt Accession #	Q16270; Q07822; Q53YE6; Q9UCA8; B4E1N2; B7Z9W7
Molecular Weight	28.8kDa (279aa) confirmed by MALDI-TOF
NCBI Official Full Name	insulin-like growth factor-binding protein 7 isoform 1
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
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

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-e-coli-sds-page/48815>