

ARG70654 Human IGFBP7 recombinant protein (His-SUMO-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

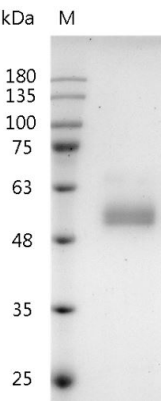
Product Description	HEK293 expressed, His-SUMO-tagged (N-ter) IGFBP7 recombinant protein
Tested Application	SDS-PAGE
Target Name	IGFBP7
Species	Human
A.A. Sequence	Ser27 - Leu282
Expression System	HEK293
Alternate Names	AGM; RAMSVPS; IBP-7; PSF; IGFBP-7; FSTL2; Tumor-derived adhesion factor; Insulin-like growth factor-binding protein 7; IGFBPRP1; TAF; MAC25; PGI2-stimulating factor; IGFBP-rP1; IGF-binding protein 7; IGFBP-7v; MAC25 protein; Prostacyclin-stimulating factor

Properties

Form	Powder
Purification Note	Endotoxin level is less than 1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IGFBP7
Gene Full Name	insulin-like growth factor binding protein 7
Background	This gene encodes 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 (PMID:21835307). [provided by RefSeq, Dec 2011]
Function	Binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion. [UniProt]
PTM	N-glycosylated.



ARG70654 Human IGFBP7 recombinant protein (His-SUMO-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70654 Human IGFBP7 recombinant protein (His-SUMO-tagged, N-ter).