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Datasheet for ABIN7454140 IGFBP7 Protein (His tag)

Overview

Quantity:	100 µg
Target:	IGFBP7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP7 protein is labelled with His tag.

Product Details

Sequence:	Ser27-Leu282
Characteristics:	Recombinant Human IGFBP-7 Protein Protein is expressed from Expi293 with His tag at the N-terminal. It contains Ser27-Leu282.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IGFBP-7, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CD93, hFc Tag with the EC50 of 0.74µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IGFBP7
Alternative Name:	IGFBP-7 (IGFBP7 Products)

Target Details

Background:	IGFBP-7, IBP7, AGM, FSTL2, IGFBP-7v, IGFBPRP1, MAC25, PSF, RAMSVPS, TAF. IGFBP-7, also known as Mac25/Angiomodulin (AGM), GFBP-rp1, tumor-derived adhesion factor (TAF) and prostacyclin-stimulating factor (PSF), is a secreted protein that contains three protein domain modules. Human IGFBP-rp1 cDNA encodes 282 amino acid (aa) residue precursor protein with a putative 26 aa signal peptide. IGFBP-7 binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI ₂) production. Stimulates cell adhesion.
Molecular Weight:	27.5 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
UniProt:	Q16270
Pathways:	Growth Factor Binding

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C, -80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.