

Datasheet for ABIN7274859

IGFBP2 Protein (AA 36-325) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IGFBP2
Protein Characteristics:	AA 36-325
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP2 protein is labelled with His tag.

Product Details

Purpose:	Human IGFBP2 Protein
Sequence:	Ala36-Gln325
Characteristics:	Recombinant Human IGFBP2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala36-Gln325.
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.

Target Details

Target:	IGFBP2
Alternative Name:	IGFBP2 (IGFBP2 Products)

Target Details

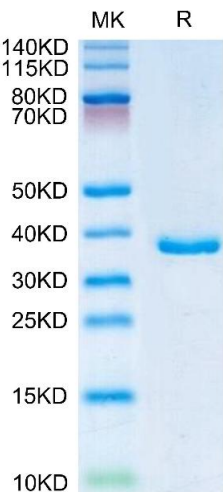
Background:	Insulin-like growth factor (IGF) binding protein 2 (IGFBP2) was discovered and identified as an IGF system regulator, controlling the distribution, function, and activity of IGFs in the pericellular space. IGFBP2 is a developmentally regulated gene that is highly expressed in embryonic and fetal tissues and markedly decreases after birth. Aberrant expression of IGFBP2 in cancer acts as a hub of an oncogenic network, integrating multiple cancer signaling pathways and serving as a potential therapeutic target for cancer treatment.
Molecular Weight:	32.5 kDa. Due to glycosylation, the protein migrates to 33-40 kDa based on Tris-Bis PAGE result.
UniProt:	P18065
Pathways:	Myometrial Relaxation and Contraction , Growth Factor Binding , Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only
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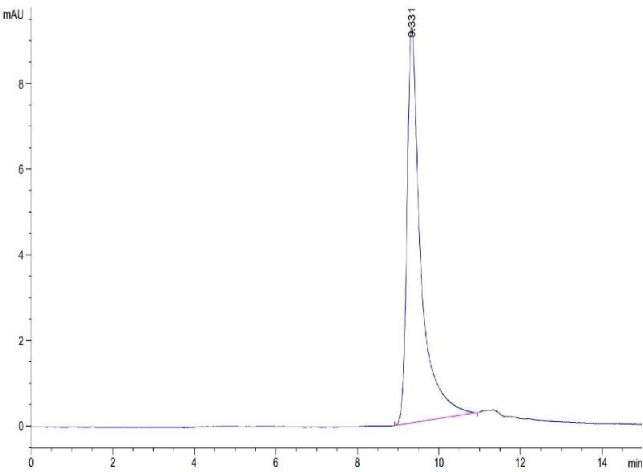
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube 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 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human IGFBP2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IGFBP2 is greater than 95 % as determined by SEC-HPLC.