

Datasheet for ABIN7321054
IGFBP6 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	IGFBP6
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat IGFBP6/IBP6 Protein (His Tag)
Sequence:	Met1-Gly226
Characteristics:	A DNA sequence encoding the rat Igfbp6 (NP_037236.1) (Met1-Gly226) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.

Target Details

Target:	IGFBP6
Alternative Name:	IGFBP6/IBP6 (IGFBP6 Products)
Background:	Background: Insulin-like growth factor binding protein 6 (IGFBP6) is a 24- kDa protein that binds insulin-like growth factor 1 (IGF-1) and IGF-2 with high affinity and inhibits IGF action in vitro. The Insulin-like growth factor-binding protein also known as IGFBP serves as a carrier protein

Target Details

for Insulin-like growth factor 1. IGFBPs are clearly distinct but are sharing regions with strong homology. All members of the IGFBP family bind IGF-I and IGF-II with about equal affinity. Insulin-like growth factor (IGF) binding proteins (IGFBPs) have been shown to either inhibit or enhance the action of IGF, or act in an IGF-independent manner in the prostate. IGF-binding protein-4 (IGFBP-4) inhibits IGF-I action in vitro and is the most abundant IGFBP in the rodent arterial wall. IGFBP6 is directly downregulated by the beta-catenin/TCF complex in desmoid tumors, and imply a role for the IGF axis in the proliferation of desmoid tumors. There is mounting evidence that the structure of the IGFBP proteins plays a key role in the regulation of IGF bioavailability, by modulating its molecular size, capillary membrane permeability, target tissue specificity, cell membrane adherence and IGF affinity.

Synonym: Igfbp-6

Molecular Weight: 22.9 kDa

NCBI Accession: [NP_037236](#)

Pathways: [WNT Signaling, Myometrial Relaxation and Contraction](#)

Application Details

Restrictions: For Research Use only

Handling

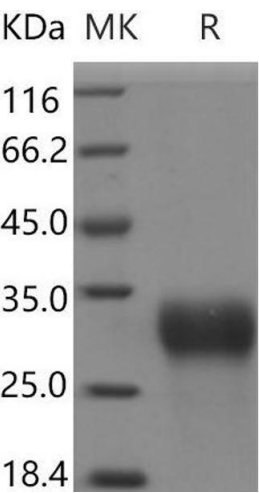
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.