

Datasheet for ABIN7196214
IGFBP2 Protein (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	IGFBP2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse IGFBP-2/IGFBP2 Protein (Fc Tag)
Sequence:	Met1-Gln305
Characteristics:	A DNA sequence encoding the mouse Igfbp2 (NP_032368.2) (Met1-Gln305) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> (65.9+24.5) % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	IGFBP2
Alternative Name:	IGFBP-2/IGFBP2 (IGFBP2 Products)
Background:	Background: IGFBP-2, also known as IGFBP2, is a insulin-like growth factor-binding protein (IGFBP). IGFBPs prolong the half-life of the IGFs , control bioavailability, activity, and distribution of insulin-like growth factor (IGF) through high-affinity IGFBP/IGF complexes. Six high-affinity

Target Details

IGF-binding proteins (IGFBP-1 to -6) have been identified. The six IGFBPs are structurally related but encoded by distinct genes. IGFBPs have a high affinity for IGFs. Some members of the IGFBP family have been consistently shown to inhibit IGF actions by preventing them from gaining access to the IGF receptors, while others potentiate IGF actions by facilitating the ligand-receptor interaction. IGFBP-2 is overexpressed in many malignancies and is often correlated with an increasingly malignant status of the tumor, pointing to a potential involvement of IGFBP-2 in tumorigenesis. It contains 1 IGFBP N-terminal domain and 1 thyroglobulin type-1 domain. It inhibits IGF-mediated growth and developmental rates.
Synonym: AI255832,IBP-2,Igfbp-2,mIGFBP-2

Molecular Weight: 56.6 kDa

NCBI Accession: [NP_032368](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Growth Factor Binding](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

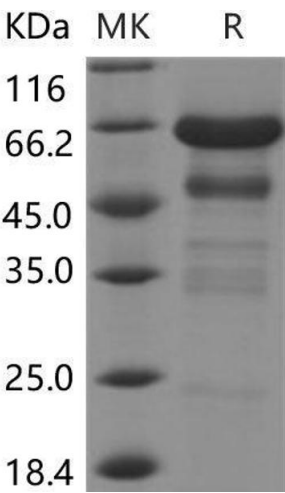
Format: Lyophilized

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.