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Datasheet for ABIN2017975
IGFBP2 Protein (AA 40-325) (His tag)

Overview

Quantity:	50 µg
Target:	IGFBP2
Protein Characteristics:	AA 40-325
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IGFBP2 protein is labelled with His tag.

Product Details

Characteristics:	ED50 < 2 µg/mL, measured in a bioassay using FDC-P1 cells in the presence of 15 ng/mL human IGF-II. AA 40-325, expressed with C-terminal 6xHis.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IGFBP2
Abstract:	IGFBP2 Products
Background:	IGF-BP-2, also known as Insulin-like growth factor-binding protein 2, IBP-2 and BP-2, is a cysteine-rich secreted protein belonging to the IGF-binding protein superfamily. It is expressed

Target Details

by the central nervous system, bone cells and reproductive tissues. IGF-BP-2 binds to both IGF-I and IGF-II, with a much higher binding affinity to IGF-II than IGF-I. IGF-BP-2 has been shown to inhibit and stimulate the growth promoting effects of IGFs, thus serving as a regulator for IGF distribution, function and activity.

Synonyms: Insulin-like growth factor-binding protein 2, IBP-2, BP-2

Molecular Weight: 6-20 kDa, observed by reducing SDS-PAGE.

UniProt: [P18065](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human IGF-BP-2, His remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, human IGF-BP-2, His should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months