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## Datasheet for ABIN7318629 IGFBP4 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	IGFBP4
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP4 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IGFBP-4/IGFBP4 Protein (His Tag)
Sequence:	Asp22-Glu258
Characteristics:	Recombinant Human Insulin-Like Growth Factor-Binding Protein 4 is produced by our Mammalian expression system and the target gene encoding Asp22-Glu258 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	IGFBP4
Alternative Name:	IGFBP-4/IGFBP4 ( <a href="#">IGFBP4 Products</a> )
Background:	Background: Insulin-like growth factor binding protein 4 (IGFBP-4) 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. All

## Target Details

members of the IGFBP family can bind IGF-I and IGF-II with about equal affinity, but IGFBP-4 binds IGF2 more than IGF1. It contains IGFBP N-terminal domain and thyroglobulin type-1 domain. IGFBP-4 is induced by forskolin and N6, O2'dibutyryl sdenosine 3', or 5'-cyclic monophosphate. The IGF-binding proteins can prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.

Synonym: Insulin-Like Growth Factor-Binding Protein 4, IBP-4, IGF-Binding Protein 4, IGFBP-4, IGFBP4, IBP4

Molecular Weight: 27.0 kDa

UniProt: [P22692](#)

Pathways: [WNT Signaling](#), [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

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.