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## Datasheet for ABIN7455685 IGFBPI Protein (His tag)

### Overview

Quantity:	50 µg
Target:	IGFBPI
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBPI protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Insulin-like Growth Factor-binding Protein 1 is produced by our Mammalian expression system and the target gene encoding Ala26-Asn259 is expressed with a 6His tag at the C-terminus.
Characteristics:	Extracellular Domain Protein
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	IGFBPI
Alternative Name:	IGFBP-1 ( <a href="#">IGFBPI Products</a> )
Background:	Insulin-like growth factor-binding protein 1, IBP-1, IGF-binding protein 1, IGFBP-1, Placental protein 12, PP12Insulin-like growth factor-binding protein 1 (IGFBP1) is encoded by 259 amino acid (aa) with 25 aa residue signal peptide that is processed to generate the 234 aa residue mature protein. IGF-binding proteins prolong the half-life of the IGFs and have been shown to

## Target Details

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. Promotes cell migration. Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs).

Molecular Weight: 26.1 KDa

UniProt: [P08833](#)

Pathways: [Myometrial Relaxation and Contraction](#), [ER-Nucleus Signaling](#), [Growth Factor Binding](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months