

[Go to Product page](#)

Datasheet for ABIN2017993

**IGFBP4 Protein (AA 22-258) (His tag)**

## Overview

Quantity:	50 µg
Target:	IGFBP4
Protein Characteristics:	AA 22-258
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IGFBP4 protein is labelled with His tag.

## Product Details

Characteristics:	ED50 < 50 ng/mL, measured in a bioassay using FDC-P1 cells in the presence of 15 ng/mL human IGF-II.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

## Target Details

Target:	IGFBP4
Alternative Name:	Insulin-Like Growth Factor-Binding Protein 4 (IGF-BP-4) ( <a href="#">IGFBP4 Products</a> )
Background:	Insulin-like growth factor-binding protein 4 (IGF-BP-4), also known as IBP-4, is a secreted glycoprotein belonging to the IGFBP family. IGF-BP-4 is produced by osteoblasts, epidermis, ovarian follicles and other tissues. It binds both insulin-like growth factor (IGF) I and II, and it



## Target Details

circulates in the plasma in both glycosylated and non-glycosylated forms. IGF-BP-4 prolongs the half-life of the IGFs and has been shown to inhibit or stimulate the growth-promoting effects of the IGFs. Pregnancy Associated Plasma Protein A (PAPP-A) proteolytically cleaves IGF-BP-4 and reduces its affinity to bind IGFs, and thus serves as an important regulator of IGF-BP-4 function.

Synonyms: Insulin-like Growth Factor-Binding Protein 4, IBP-4, HT29-IGF-BP, colon cancer cell growth inhibitor

Molecular Weight: 30-35 kDa, observed by reducing SDS-PAGE.

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: Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

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

Expiry Date: 6 months