Datasheet for ABIN935568

IGFBP4 Protein

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Overview

Quantity:	20 µg
Target:	IGFBP4
Origin:	Human
Source:	Hi-5 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	DEAIHCPPCS EEKLARCRPP VGCEELVREP GCGCCATCAL GLGMPCGVYT PRCGSGLRCY PPRGVEKPLH TLMHGQGVCM ELAEIEAIQE SLQPSDKDEG DHPNNSFSPC SAHDRRCLQK HFAKIRDRST SGGKMKVNGA PREDARPVPQ GSCQSELHRA LERLAASQSR THEDLYIIPI PNCDRNGNFH PKQCHPALDG QRGKCWCVDR KTGVKLPGGL EPKGELDCHQ LADSFRE
Characteristics:	Purified recombinant Human IGF BP4 protein Expression System: Hi-5 cells Bioactivity: Determined by its ability to inhibit IGF-I induced proliferation of FDC-P1 cells.
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	IGFBP4
Alternative Name:	IGF BP4 (IGFBP4 Products)

Target Details

Background:	IGF-BPs control the distribution, function and activity of IGFs in various cell tissues and body fluids. IGF-BP4 is the major IGF-BP produced by osteoblasts, and is also found in the epidermis, ovarian follicles, and other tissues. IGF-BP4 inhibits the activity of IGF-I and IGF-II by binding in a manner that results in the formation of complexes with reduced ability to signal through cell surface IGF receptors. IGF-BP4 can inhibit the growth of chick pelvis cartilage and HT29 colon adenocarcinoma cells by blocking the mitogenic actions of IGFs, and has also been shown to reduce colony formation by colorectal cancer cells via an IGF1ndependent pathway. Alternative Names: Insulin-like Growth Factor-Binding Protein 4 protein, IGF BP-4, IGF BP 4 protein, IBP-4 protein, IGF BP4, colon cancer cell growth inhibitor protein, IGF BP-4 protein, HT29-IGF-BP protein, IGF BP-4 protein, IGF BP 4
Molecular Weight:	25.8 kDa
Pathways:	WNT Signaling, Myometrial Relaxation and Contraction, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Comment:	Manufactured using (BTI-Tn-5B1-4) cells under license from the Boyce Thompson Institute for Plant Research, Inc.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C