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Datasheet for ABIN1096870 IGFBP4 Protein (AA 22-258) (His tag)



Overview

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

Product Details

Purpose:	Recombinant Human Insulin-Like Growth Factor-Binding Protein 4/IGFBP-4 (C-6His)
Sequence:	DEAIHCPPCS EEKLARCRPP VGCEELVREP GCGCCATCAL GLGMPCGVYT PRCGSGLRCY PPRGVEKPLH TLMHGQGVCM ELAEIEAIQE SLQPSDKDEG DHPNNSFSPC SAHDRRCLQK HFAKIRDRST SGGKMKVNGA PREDARPVPQ GSCQSELHRA LERLAASQSR THEDLYIIPI PNCDRNGNFH PKQCHPALDG QRGKCWCVDR KTGVKLPGGL EPKGELDCHQ LADSFREVDH HHHHH
Characteristics:	Recombinant Human Insulin-Like Growth Factor-Binding Protein 4/IGFBP-4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (D22-E258) of Human IGFBP4 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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Target Details

Target:	IGFBP4
Alternative Name:	igfbp-4 (IGFBP4 Products)
Sub Type:	Fusionprotein
Background:	IGFBP-4, whose full name is insulin-like growth factor-binding protein 4, is induced by forskolin and N6, O2'dibutyryl sdenosine 3', or 5'-cyclic monophosphate. It contains IGFBP N-terminal domain and thyroglobulin type-1 domain, and can bind IGF2. 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. Alternative Names: Insulin-Like Growth Factor-Binding Protein 4, IBP-4, IGF-Binding Protein 4, IGFBP-4, IGFBP4, IBP4
Molecular Weight:	27.01 kDa
UniProt:	P22692
Pathways:	WNT Signaling, Myometrial Relaxation and Contraction, Regulation of Carbohydrate Metabolic Process
Application Details	

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Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °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:	3 months

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