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Datasheet for ABIN7520091 IGFBP5 Protein (His tag)



Overview	
Quantity:	20 µg
Target:	IGFBP5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP5 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant human IGFBP5/IGFBP-5 Protein
Sequence:	LGSFVHCEPC DEKALSMCPP SPLGCELVKE PGCGCCMTCA LAEGQSCGVY TERCAQGLRC
	LPRQDEEKPL HALLHGRGVC LNEKSYREQV KIERDSREHE EPTTSEMAEE TYSPKIFRPK
	HTRISELKAE AVKKDRRKKL TQSKFVGGAE NTAHPRIISA PEMRQESEQG PCRRHMEASL
	QELKASPRMV PRAVYLPNCD RKGFYKRKQC KPSRGRKRGI CWCVDKYGMK LPGMEYVDGD
	FQCHTFDSSN VE
Specificity:	Leu21-Glu272
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.001 EU/µg
Target Details	
Target:	IGFBP5

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Target Details	
Alternative Name:	IGFBP5/IGFBP-5 (IGFBP5 Products)
Background:	Description: The superfamily of insulin-like growth factor (IGF) binding proteins include the six
	high-affinity IGF binding proteins (IGFBP) and at least four additional low-affinity binding
	proteins referred to as IGFBP related proteins (IGFBP-rP). All IGFBP superfamily members are
	cysteine-rich proteins with conserved cysteine residues, which are clustered in the amino- and
	carboxy-terminal thirds of the molecule. IGFBPs modulate the biological activities of IGF
	proteins. Some IGFBPs may also have intrinsic bioactivity that is independent of their ability to
	bind IGF proteins. Post-transitional modifications of IGFBP, including glycosylation,
	phosphorylation and proteolysis, have been shown to modify the affinities of the binding
	proteins to IGF.
	Name: IBP5,IGFBP5, insulin-like growth factor-binding protein 5,IGFBP-5
Gene ID:	3488
UniProt:	P24593
Pathways:	WNT Signaling, Carbohydrate Homeostasis, Myometrial Relaxation and Contraction, Regulation
	of Carbohydrate Metabolic Process, Autophagy, Smooth Muscle Cell Migration, Growth Factor
	Binding
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile
	distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is
	recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 %
	Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.37 mg/mL
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein
	solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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