

## Datasheet for ABIN7505664 IGFBP7 Protein (AA 1-282) (His tag)



Overview

Quantity:	100 µg
Target:	IGFBP7
Protein Characteristics:	AA 1-282
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP7 protein is labelled with His tag.

## Product Details

Sequence:	Met1-Leu282
Characteristics:	A DNA sequence encoding the Human IGFBP-7 protein (Q16270) (Met1-Leu282) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	IGFBP7
Alternative Name:	IGFBP-7 (IGFBP7 Products)
Background:	Abbreviation: IGFBP-7
	Target Synonym: Insulin-like growth factor-binding protein 7,IGFBP7,IGF-binding protein
	7,IGFBP-rP1,MAC25 protein,Tumor-derived adhesion factor,TAF
	Background: Insulin-like growth factor-binding protein 7(IGFBP-7) is a secreted glycosylated

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	protein that contains three protein domain modules. IGFBP7 contains an N-terminal IGFBP
	domain, followed by a Kazal-type serine proteinase inhibitor domain and a C-terminal
	immunoglobulin-like C2-type domain. Human and mouse IGFBP7 are highly homologous and
	share 94 % aa sequence identity. It is expressed in many normal tissues and in cancer cells. It is
	abundantly expressed in high endothelial venules (HEVs) of blood vessels in the secondary
	lymphoid tissues. It binds IGF and insulin with very low affinity and has been shown to enhance
	the mitogenic actions of IGF and insulin. IGFBP7 also has IGF/insulin-independent activities. It
	interacts with heparan sulfate proteoglycans, type IV collagen, and specific chemokines. It
	supports weak cell adhesion, promotes cell spreading on type IV collagen, and stimulates the
	production of the potent vasodilator PGI2. It modulates tumor cell growth and has also been
	implicated in angiogenesis.
Molecular Weight:	Calculated MW: 30.91 kDa
	Observed MW: 32 kDa
UniProt:	Q16270
Pathways:	Growth Factor Binding
Application Dataila	
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.
	Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before
	lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.
Expiry Date:	12 months

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