

Product datasheet for **TP724929**

IGFBP7 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human IGFBP-7 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser27-Leu282
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, 0.05%Tween 80, pH7.4
Note:	Recombinant Human Insulin-like Growth Factor-binding Protein 7 is produced by our Mammalian expression system and the target gene encoding Ser27-Leu282 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	3490
UniProt ID:	Q16270
Summary:	Insulin-like growth factor-binding protein 7(IGFBP-7) is a secreted glycosylated protein that is a member of the insulin-like growth factor (IGF) binding proteins superfamily. 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. IGFBP7 is expressed in multiple normal tissues as well as cancer cells. It is highly expressed in high endothelial venules (HEVs) of blood vessels in the secondary lymphoid tissues. IGFBP7 interacts with heparan sulfate proteoglycans, type IV collagen, and specific chemokines. It supports weak cell adhesion, facilitates cell spreading on type IV collagen, and stimulates the production of the potent vasodilator PGI2. In addition, IGFBP7 modulates tumor cell growth and has also been implicated in angiogenesis.



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