

Recombinant Human LTBP1

Cat. No. LTBP1-29149TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human LTBP1 with an N terminal proprietary tag; Predicted MW 36.41kDa.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
Description	The protein encoded by this gene belongs to the family of latent TGF-beta binding proteins (LTBPs). The secretion and activation of TGF-betas is regulated by their association with latency-associated proteins and with latent TGF-beta binding proteins. The product of this gene targets latent complexes of transforming growth factor beta to the extracellular matrix, where the latent cytokine is subsequently activated by several different mechanisms. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Isoform Long is found in fibroblasts.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	CPGGMGYTVSGVHRRRPIHHHVKGKPVFVKPKNTQPVAKSTHPPPLPAKEEPVEAL TFSREHGPVGAEEVATAPPEKEIPSLDQEKTKLEPGQPQLS
Sequence Similarities	Belongs to the LTBP family.Contains 18 EGF-like domains.Contains 4 TB (TGF-beta binding) domains.

GENE INFORMATION

Gene Name	LTBP1 latent transforming growth factor beta binding protein 1 [Homo sapiens]
Official Symbol	LTBP1
Synonyms	LTBP1; latent transforming growth factor beta binding protein 1; latent-transforming growth factor beta-binding protein 1; TGF beta1 BP 1;
Gene ID	4052
mRNA Refseq	NM_000627
Protein Refseq	NP_000618
MIM	150390
Uniprot ID	Q14766
Chromosome Location	2p22-p21

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Pathway	TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	binding; calcium ion binding; growth factor binding; transforming growth factor beta-activated receptor activity;

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