

Recombinant Human LTBP1 Protein, His-tagged

Cat. No. LTBP1-317H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTBP1(Asp1424~Glu1721) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp1424~Glu1721
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	37.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

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; LTBP-1; TGF-beta1-BP-1; transforming growth factor beta-1-binding protein 1; MGC163161;
Gene ID	4052
mRNA Refseq	NM_000627
Protein Refseq	NP_000618
MIM	150390

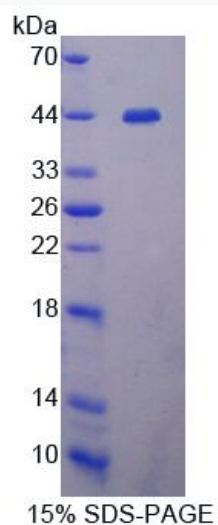
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UniProt ID

Q14766

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