

## Recombinant Human LTBP1 Protein, His-tagged

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

### SPECIFICATION

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

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in PBS or others

## GENE INFORMATION

<b>Gene Name</b>	LTBP1 latent transforming growth factor beta binding protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	LTBP1
<b>Synonyms</b>	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;
<b>Gene ID</b>	4052
<b>mRNA Refseq</b>	NM_000627
<b>Protein Refseq</b>	NP_000618
<b>MIM</b>	150390

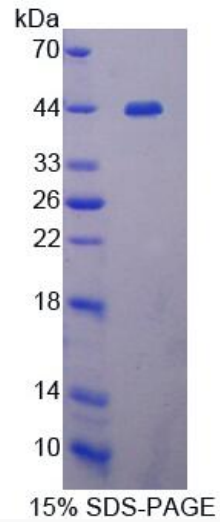
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UniProt ID

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