Latent-Transforming Growth Factor Beta-Binding Protein 1 (LTBP1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Latent-transforming growth factor beta-binding protein 1 (Ltbp1), Recombinant Protein
Full Product Name	Recombinant Mouse Latent-transforming growth factor beta-binding protein 1 (Ltbp1) , partial
Product Gene Name	Ltbp1 recombinant protein
Product Synonym Gene Name	Ltbp1
Sequence	SAHGRVRRIT YVVRPGPGLP AGALPLAGPP RTFNVALDAR YSRSSTAASS RALAGPPAER TRRTSQPGGA ALPGLRSPLP PEPARPGGPS RQLHSKAGAQ TAVTRFAKHG RQVVRSQVQQ DAQSAGGSRL QVQQKQQLQG INVCGGQCCH GWSKPPGSQR CTKPSCVPPC QNGGMCLRPQ LCVCKPGSKG KACEITAAQD TMPPAFGGQN PGSSWAPLEQ AAKHTSTKKA DTLPRVSPVA QMTLTLKPKP SMGLSQQIHP QVAPLSSQNV MIRHGQTQEY
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	147,418 Da
Sequence Positions	20-299. Partial.
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8CG19
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ltbp1 recombinant protein	This protein 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.
Other Notes	Small volumes of Ltbp1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Ltbp1 purchase	MBS1329216 is a recombinant protein targeting Ltbp1. Also known as Recombinant Mouse Latent-transforming growth factor beta-binding protein 1 (Ltbp1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ltbp1. It may not necessarily be applicable to this product.

NCBI GI #	1063759631

NCBI GeneID	268977
NCBI Accession #	NP_001318166.1
UniProt Primary Accession #	Q8CG19
UniProt Secondary Accession #	O88349; Q505C9; Q8BNW7; Q8C7F5; Q8CG18; Q8CIR0; B1B1D9; B1B1E1
UniProt Related Accession #	Q8CG19
GenBank Nucleotide #	NM_001331237.1
NCBI Official Full Name	latent-transforming growth factor beta-binding protein 1 isoform 7
NCBI Official Synonym Full Names	latent transforming growth factor beta binding protein 1
NCBI Official Symbol	Ltbp1
NCBI Official Synonym Symbols	Tgfb; Ltbp-1; Ltbp1L; 9830146M04; b2b1000Clo; 9430031G15Rik; TGF-beta1-BP-1
UniProt Protein Name	Latent-transforming growth factor beta-binding protein 1
UniProt Synonym Protein Names	Transforming growth factor beta-1-binding protein 1; TGF-beta1-BP-1
Protein Family	Latent-transforming growth factor beta-binding protein
UniProt Gene Name	Ltbp1
UniProt Synonym Gene Names	LTBP-1; TGF-beta1-BP-1
NCBI Protein Information	latent-transforming growth factor beta-binding protein 1
UniProt Comments for Ltbp1	May be involved in the assembly, secretion and targeting of TGFB1 to sites at which it is stored and/or activated. May play critical roles in controlling and directing the activity of TGFB1. May have a structural role in the extracellular matrix (ECM).
Research Articles on Ltbp1	**1.** LTBP1 has a role in female reproduction
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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