LTBP4 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	LTBP4, Blocking Peptide
Full Product Name	LTBP4 Peptide - C-terminal region
Product Gene Name	LTBP4 blocking peptide
Sequence	Synthetic peptide located within the following region: GGPYGESEAP APPGPGTRWP YRSRDTRRSF PEPEEPPEGG SYAGSLAEPY
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	LTBP4 peptide (MBS3241404) is used for blocking the activity of LTBP4 antibody (MBS3216505)
Molecular Weight	69kDa
OMIM	604710
Product Categories/Family for LTBP4 blocking peptide	Peptide
Applications Tested/Suitable for LTBP4 blocking peptide	Western Blot (WB)
Related Product Information for LTBP4 blocking peptide	This is a synthetic peptide designed for use in combination with anti-LTBP4 Antibody, made Target Description: The protein encoded by this gene binds transforming growth factor beta (TGFB) as it is secreted and targeted to the extracellular matrix. TGFB is biologically latent after secretion and insertion into the extracellular matrix, and sheds TGFB and other proteins upon activation. Defects in this gene may be a cause of cutis laxa and severe pulmonary, gastrointestinal, and urinary abnormalities. Three transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of LTBP4 blocking peptide 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 LTBP4 purchase	MBS3241404 is a blocking peptide targeting LTBP4. Also known as LTBP4 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LTBP4. It may not necessarily be applicable to this product.

NCBI GI #	110347431
NCBI GeneID	8425
NCBI Accession #	NP_001036009
UniProt Primary Accession #	Q8N2S1
UniProt Related Accession #	Q8N2S1
GenBank Nucleotide #	NM_001042544.1

NCBI Official Full Name	latent-transforming growth factor beta-binding protein 4 isoform a
NCBI Official Synonym Full Names	latent transforming growth factor beta binding protein 4
NCBI Official Symbol	LTBP4
NCBI Official Synonym Symbols	ARCL1C; LTBP-4; LTBP4L; LTBP4S
UniProt Protein Name	Latent-transforming growth factor beta-binding protein 4
Protein Family	Latent-transforming growth factor beta-binding protein
UniProt Gene Name	LTBP4
UniProt Synonym Gene Names	LTBP-4
UniProt Entry Name	LTBP4_HUMAN
NCBI Protein Information	latent-transforming growth factor beta-binding protein 4
NCBI Summary for LTBP4	The protein encoded by this gene binds transforming growth factor beta (TGFB) as it is secreted and targeted to the extracellular matrix. TGFB is biologically latent after secretion and insertion into the extracellular matrix, and sheds TGFB and other proteins upon activation. Defects in this gene may be a cause of cutis laxa and severe pulmonary, gastrointestinal, and urinary abnormalities. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]
Research Articles on LTBP4	**1.** DMD gene mutations involving the hinge 3 region, actin-binding domain, and exons 45-49, as well as the LTBP4 IAAM haplotype, were not associated with age of left ventricular dysfunction onset inDuchenne muscular dystrophy.
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