MYL6 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	MYL6, Lysate
Full Product Name	Human MYL6 Protein Lysate
Product Gene Name	MYL6 lysate
Product Synonym Names	MYL6; ESMLC; LC17; LC17-GI; LC17-NM; LC17A; LC17B; MLC-3; MLC1SM; MLC3NM; MLC3SM
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	19.1 kDa (171aa) confirmed by MALDI-TOF
OMIM	609931
3D Structure	ModBase 3D Structure for P60660
Related Product Information for MYL6 lysate	Human MYL6 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of MYL6 lysate 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 MYL6 purchase	MBS8415693 is a lysate targeting MYL6. Also known as Human MYL6 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MYL6. It may not necessarily be applicable to this product.

NCBI GI #	88999583
NCBI GeneID	4637
NCBI Accession #	NP_524147
UniProt Primary Accession #	P60660
UniProt Secondary Accession #	P16475; P24572; P24573; Q12790; Q561V9; Q6IAZ0; Q6IPY5
UniProt Related Accession #	P60660
GenBank Nucleotide #	NM_079423
NCBI Official Full Name	myosin light polypeptide 6 isoform 2
NCBI Official Synonym Full Names	myosin light chain 6
NCBI Official Symbol	MYL6
NCBI Official Synonym Symbols	LC17; ESMLC; LC17A; LC17B; MLC-3; MLC1SM; MLC3NM; MLC3SM; LC17-GI; LC17-NM
UniProt Protein Name	Myosin light polypeptide 6

UniProt Synonym Protein Names	17 kDa myosin light chain; LC17; Myosin light chain 3; MLC-3; Myosin light chain alkali 3; Myosin light chain A3; Smooth muscle and nonmuscle myosin light chain alkali 6
Protein Family	Myosin light polypeptide
UniProt Gene Name	MYL6
UniProt Synonym Gene Names	LC17; MLC-3
UniProt Entry Name	MYL6_HUMAN
NCBI Protein Information	myosin light polypeptide 6
NCBI Summary for MYL6	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain that is expressed in smooth muscle and non-muscle tissues. Genomic sequences representing several pseudogenes have been described and two transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for MYL6	MYL6: Regulatory light chain of myosin. Does not bind calcium. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Motor Chromosomal Location of Human Ortholog: 12q13.2 Cellular Component: membrane; unconventional myosin complex; myosin complex; cytosol; vesicle Molecular Function: protein binding; structural constituent of muscle; motor activity; calcium ion binding; actin-dependent ATPase activity Biological Process: axon guidance; skeletal muscle development; muscle contraction; metabolic process; ephrin receptor signaling pathway; muscle filament sliding
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