MYLPF cDNA Clone – Myosin Light Chain, Phosphorylatable, Fast Skeletal Muscle (Human)

PRODUCT OVERVIEW

Product Name	MYLPF, cDNA Clone
Full Product Name	MYLPF cDNA Clone
Product Gene Name	MYLPF cdna clone
Sequence	atggcaccca agagggccaa gagaaggaca gtagagggcg gaagctccag cgtcttctcc atgttcgacc agactcagat ccaggagttc aaagaggcct tcactgtgat cgaccagaac cgtgatggta ttatagacaa ggaggacctt cgggacacct tcgcagccat gggccgcctc aatgtgaaga atgaggagtt ggatgccatg atgaaggaag ccagcggtcc catcaacttc accgtcttcc tgaccatgtt cggggagaag ctcaagggtg ccgaccctga ggatgtgatc accggagcct tcaaggtctt ggaccctgag ggaaagggca ccatcaagaa gaagttcctg gaggagctgc tgaccacgca gtgtgaccgc ttctcccagg aggagatcaa gaacatgtgg gcggccttcc cccccgacgt gggcggcaac gtcgactaca aaaacatctg ctacgtcatc acgcacggcg acgccaagga ccaggagtag
Molecular Weight	19,015 Da
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MYLPF cdna clone	MBS1271830 is a cDNA clone targeting MYLPF.
Other Notes	Small volumes of MYLPF cdna clone 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.

ADDITIONAL DETAILS

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

NCBI GI #	15214862
NCBI GeneID	29895
NCBI Accession #	BC012571
UniProt Secondary Accession #	Q14843; Q6IB41; B2RA83
UniProt Related Accession #	Q96A32
NCBI Official Full Name	Homo sapiens myosin light chain, phosphorylatable, fast skeletal muscle, mRNA
NCBI Official Synonym Full Names	myosin light chain, phosphorylatable, fast skeletal muscle
NCBI Official Symbol	MYLPF
NCBI Official Synonym Symbols	MLC2B; MRLC2; MYL11; HUMMLC2B
UniProt Protein Name	Myosin regulatory light chain 2, skeletal muscle isoform
UniProt Synonym Protein Names	Fast skeletal myosin light chain 2; MLC2B
Protein Family	Myosin regulatory
UniProt Gene Name	MYLPF

UniProt Entry Name	MLRS_HUMAN
NCBI Protein Information	myosin regulatory light chain 2, skeletal muscle isoform
UniProt Comments for MYLPF	MYLPF: Myosin is an hexamer of 2 heavy chains and 4 light chains. Protein type: Motility/polarity/chemotaxis; Motor Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: cytosol; lysosomal membrane; muscle myosin complex Molecular Function: structural constituent of muscle Biological Process: muscle contraction; skeletal muscle development
Research Articles on MYLPF	**1.** A cDNA clone encoding human fast skeletal myosin regulatory light chain (HSRLC) has been isolated and characterized from a fetal muscle cDNA library.
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