

Recombinant Human MYLPF

Cat. No. MYLPF-30272TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MYLPF with a proprietary tag, MWt 44.7kDa.
Species	Human
Source	Wheat Germ
ProteinLength	169 amino acids
Description	Non muscle Myosins are required for cytokinesis at the end of cell division, when a contractile ring near the plasmalemma divides the cytoplasm of the daughter cells, They are involved in cytoplasmic streaming movements in tissues, and especially in acti
Molecular Weight	44.700kDa inclusive of tags
Tissue specificity	Expressed in fetal and adult skeletal muscle.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MAPKRAKRRTVEGGSSSVFSMFDQTQIQEFKEAFTVIDQNRDGIIDKEDLRDTFAAM GRLNVKNEELDAMMKEASGPINFVFLTMFGEKLGADPEDVITGAFKVLDPGKGT IKKKFLEELLTTQCDRFSQEEIKNMWAAFPPDVGGNVDYKNICYVITHGDAKDQE
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Sequence Similarities	Contains 3 EF-hand domains.
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GENE INFORMATION

Gene Name	MYLPF myosin light chain, phosphorylatable, fast skeletal muscle [Homo sapiens]
Official Symbol	MYLPF
Synonyms	MYLPF; myosin light chain, phosphorylatable, fast skeletal muscle; myosin regulatory light chain 2, skeletal muscle isoform; HUMMLC2B; MRLC2; MYL11; myosin regulatory light chain 2; myosin; light chain 11; regulatory;
Gene ID	29895
mRNA Refseq	NM_013292
Protein Refseq	NP_037424
Uniprot ID	Q96A32
Chromosome Location	16p11.2
Pathway	ErbB1 downstream signaling, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem;

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Function

calcium ion binding; structural constituent of muscle;

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