Recombinant Human MYLPF, His-tagged

Cat. No. MYLPF-30271TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MYLPF with an N terminal His tag; 189aa, 21.2kDa inclusive of tag.
Species	Human
Source	E.coli
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
Conjugation	HIS
Molecular Weight	21.200kDa inclusive of tags
Tissue specificity	Expressed in fetal and adult skeletal muscle.
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium

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	chloride, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAPKRAKRRTVEGGSSSVFSMFDQTQIQEFKEAFT VIDQNRDGIIDKEDLRDTFAAMGRLNVKNEELDAMMKEASGPINFTVFLTMFGEKLK GADPEDVITGAFKVLDPEGKGTIKKKFLEELLTTQCDRFSQEEIKNMWAAFPPDVGG NVDYKNICYVITHGDAKDQE
Sequence Similarities	Contains 3 EF-hand domains.

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

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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;
Function	calcium ion binding; structural constituent of muscle;

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