

## Recombinant Human MYLPF, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human MYLPF with an N terminal His tag; 189aa, 21.2kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	169 amino acids
<b>Description</b>	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
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	21.200kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in fetal and adult skeletal muscle.
<b>Form</b>	Liquid
<b>Purity</b>	by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 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**

MGSSHHHHHSSGLVPRGSHMAPKRAKRRTVEGGSSSVFSMFDQTQIQEFKEAFT  
 VIDQNRDGIIDKEDLRDTFAAMGRLNVKNEELDAMMKEASGPINFTVFLTMFGEKLG  
 GADPEDVITGAFKVLDPGKGTIKKKFLEELLTTQCDRFSQEEIKNMWAAFPPDVGG  
 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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<b>Chromosome Location</b>	16p11.2
<b>Pathway</b>	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;
<b>Function</b>	calcium ion binding; structural constituent of muscle;

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