

## Recombinant Human MYLPF

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human MYLPF with a proprietary tag, MWt 44.7kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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>Molecular Weight</b>	44.700kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in fetal and adult skeletal muscle.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids** MAPKRAKRRTVEGGSSSVFSMFDQTQIQEFKEAFTVIDQNRDGIIDKEDLRDTFAAM  
GRLNVKNEELDAMMKEASGPINFVFLTMFGEKCLKGADPEDVITGAFKVLDPGKGT  
IKKKFLEELLTTQCDRFSQEEIKNMWAAFPPDVGGNVDYKNICYVITHGDAKDQE

**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

**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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