

# Recombinant Full Length Human MYLPF Protein, GST-tagged

**Cat. No.** MYLPF-6770HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Human MYLPF full-length ORF ( AAH12571, 1 a.a. - 169 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 169 amino acids                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | MYLPF (Myosin Light Chain, Phosphorylatable, Fast Skeletal Muscle) is a Protein Coding gene. Among its related pathways are Focal Adhesion and Sertoli-Sertoli Cell Junction Dynamics. GO annotations related to this gene include calcium ion binding and structural constituent of muscle. An important paralog of this gene is MYL10. |
| <b>Molecular Mass</b>   | 44.33 kDa                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MAPKRAKRRTVEGGSSSVFSMFDQTQIQEFKEAFTVIDQNRDGIIDKEDLRDTFAAM<br>GRLNVKNEELDAMMKEASGPINFTVFLTMFGEKCLKGADPEDVITGAFKVLDPEGKGT<br>IKKKFLEELLTTQCDRFSQEEIKNMWAAFPPDVGGNVYDKNICYVITHGDAKDQE                                                                                                                                                       |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                        |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | MYLPF myosin light chain, phosphorylatable, fast skeletal muscle [ Homo sapiens ]                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | MYLPF                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | 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; MLC2B; myosin light chain 2; fast skeletal myosin light chain 2; myosin, light chain 11, regulatory; MGC13450; DKFZp779C0757; |
| <b>Gene ID</b>          | 29895                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_013292                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_037424                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>              | 617378                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>       | Q96A32                                                                                                                                                                                                                                                                                                                                                  |

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