

Myosin Light chain, Phosphorylatable, Fast Skeletal Muscle Human Re-

Item Number	rAP-3676
Synonyms	Myosin regulatory light chain 2 skeletal muscle isoform, Fast skeletal myosin light chain 2, MLC2B, MYLPF, MRLC2, MYL11, HUMMLC2B.
Description	MYLPF produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (1-169 a.a) and having a molecular mass of 21.2kDa. MYLPF is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q96A32
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAPKRAKRRT VEGGSSSVFS MFDQTQIQEF KEAFTVIDQN RDGI-IDKEDL RDTFAAMGRL NVKNEELDAM MKEASGPINF TVFLTMFGEK LKGADPEDVI TGAFKVLDPGKGTIKKKFL EELLTTQCDR FSQEEIKNMW AAFPPDVGGN VDYKNICYVI THGDAKDQE.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	MYLPF protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**