

**MYL7, 1-175aa, Human, His tag, E.coli**

**Cat.NO.: TP03068**

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3th Edition

**Synonyms:**Myosin regulatory light chain 2, MYL2A, MYLC2A.

**Description:**MYL7 protein is a atrial isoform of myosin regulatory light chain 2(MYL2). Myosin is an hexamer of 2 heavy chains and 4 light chains. MYL7 is predominantly expressed in adult atrial muscle. Recombinant human MYL7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

**Molecular Weight:**22.0 kDa (199aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMASRKAGTRGKVAATKQAQRGSSNVFSMFEQAQIQEFKEAFSCIDQNRD  
GIICKADLRETYSQLGKVSVP EEELDAMLQEGKGPINFTVFLTLFGEKLN GTDPEEAILS AF RMFDPSGKGVV NKDE  
FKQLLLTQADKFSPA EVEQMFALTPMDLAGNIDYKSLCYIITHGDEKEE

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.