

## MYL7 Human

**Description:** MYL7 Human Recombinant produced in E. coli is a single polypeptide chain containing 199 amino acids (1-175) and having a molecular mass of 22.0kDa. MYL7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1116

**Synonyms:** Myosin light chain 7 regulatory, myosin light polypeptide 7 regulatory, Myosin light chain 2a myosin regulatory light chain 2 atrial isoform, MYL2A, MYLC2A.

For research use only.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MGSHMASRKA GTRGKVAATK  
QAQRGSSNVF SMFEQAQIQE FKEAFSCIDQ NRDGIICKAD LRETYSQLGK VSVPEEELDA  
MLQEGKGPIIN FTVFLTLFGE KLNGTDPEEA ILSAFRMFDP SGKGVVNKDE FKQLLLTQAD  
KFSPAEEVEQM FALTPMDLAG NIDYKSLCYI ITHGDEKEE

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The MYL7 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

MYL7 protein is an atrial isoform of myosin regulatory light chain 2 (MYL2). Myosin is a hexamer containing 4 light chains and 2 heavy chains. MYL7 is mainly expressed in adult atrial muscle.

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