

## MYL12A Human

**Description:** MYL12A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids (1-171 a.a.) and having a molecular mass of 22.4kDa. MYL12A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-909

For research use only.

**Synonyms:** Myosin regulatory light chain 12A, MLC-2B, Myosin RLC, Myosin regulatory light chain 2 nonsarcomeric, Myosin regulatory light chain MRLC3, MYL12A, MLCB, MRLC3, RLC, MRCL3, MYL2B.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMSSKRT KTKTKKRPQR  
ATSNVFAMFD QSQIQEFKEA FNIDQNRDG FIDKEDLHDM LASLGKNPTD EYLDAMMNEA  
PGPINFTMFL TMFGEKLNLT DPEDVIRNAF ACFDEEATGT IQEDYLRELL TTMGDRFTDE  
EVDELYREAP IDKKGNFNYI EFTRILKHGA KDKDD.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

MYL12A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.

**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:**

Myosin regulatory light chain 12A (MYL12A) has a vital role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. The MYL12A protein is involved in cytokinesis, receptor capping, and cell locomotion.

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