

AR39103PU-L**Human MYL12A (1-171, His-tag) - Purified****Alternate names:**

MLC-2B, MLCB, MRLC3, Myosin RLC, Myosin regulatory light chain 12A, Myosin regulatory light chain 2 nonsarcomeric, Myosin regulatory light chain MRLC3, RLC

Quantity:

0.5 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

MYL12A, also known as myosin regulatory light chain 12A, plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. This protein implicated in cytokinesis, receptor capping, and cell locomotion.

Uniprot ID:[P19105](#)**NCBI:**[NP_006462](#)**GeneID:**[10627](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90%**Buffer System:** 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT**Description:**

Recombinant human MYL12A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMSSKRT KTKTKKRPQR ATSNVFAMFD QSQIQEFKEA
FNMIQNRDG FIDKEDLHDM LASLGKNPTD EYLDAMMNEA PGPINFMTMFL TMFGEKLNLT
DPEDVIRNAF ACFDEEATGT IQEDYLRELL TTMGDRFTDE EVDELYREAP IDKKGNFNYI
EFTRILKHGA KDKDD

Molecular weight: 22.4 kDa (195aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Yu L.-R., et al. (2007) J. Proteome Res. 6:4150-4162.

Pictures:

MYL12A, 1-171aa, Human, His-tagged

