

Recombinant Human MYL12A, His-tagged

Cat. No. MYL12A-3606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MYL12A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT
Molecular Weight	22.4 kDa (195aa), confirmed by MALDI-TOF
Purity	>90% by SDS - PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSMMSSKRT KTKTKKRPQR ATSNVFAMFD QSQIQEFKEA FNMQDQNRDG FIDKEDLHDM LASLGKNPTD EYLDAMMNEA PGPINFTMFL TMFGKELNGT DPEDVIRNAF ACFDEEATGT IQEDYLRELL TTMGDRFTDE EVDELYREAP IDKKGNFNYI EFTRILKHGA KDKDD

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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.

GENE INFORMATION
Gene Name

MYL12A myosin, light chain 12A, regulatory, non-sarcomeric [Homo sapiens]

Official Symbol

MYL12A

Synonyms

MYL12A; MLCB; MRCL3; MRLC3; MYL2B; myosin, light chain 12A, regulatory, non-sarcomeric;myosin regulatory light chain 12A;MLC-2B;myosin RLC;OTTHUMP00000162243;myosin regulatory light chain 3;myosin regulatory light chain MRCL3;myosin regulatory light chain MRLC3;myosin regulatory light chain 2, nonsarcomeric;myosin, light polypeptide, regulatory, non-sarcomeric (20kD)

Gene ID

10627

mRNA Refseq

NM_006471

Protein Refseq

NP_006462

UniProt ID

P19105

Chromosome Location

18p11.31

Function

calcium ion binding; protein binding

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