

Product datasheet for **AR39103PU-L**

MYL12A (1-171, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MYL12A (1-171, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH MGSHMSSKRT KTKTKKRPQR ATSNVFAMFD QSQIQEFKEA</u> FNMIDQNRDG FIDKEDLHDM LASLGKNPTD EYLDAMMNEA PGPINFTMFL TMFGEKLNLT DPEDVIRNAF ACFDEEATGT IQEDYLRELL TTMGDRFTDE EVDELYREAP IDKKGNFNYI EFTRILKHGA KDKDD
Tag:	His-tag
Predicted MW:	22.4 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MYL12A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001289976</u>
Locus ID:	10627
UniProt ID:	<u>P19105</u>
Cytogenetics:	18p11.31
Synonyms:	HEL-S-24; MLC-2B; MLCB; MRCL3; MRLC3; MYL2B



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Summary:

This gene encodes a nonsarcomeric myosin regulatory light chain. This protein is activated by phosphorylation and regulates smooth muscle and non-muscle cell contraction. This protein may also be involved in DNA damage repair by sequestering the transcriptional regulator apoptosis-antagonizing transcription factor (AATF)/Che-1 which functions as a repressor of p53-driven apoptosis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8.[provided by RefSeq, Dec 2014]

Protein Pathways:

Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction

Product images:
