

Product datasheet for **AR39103PU-N**

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

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | MYL12A (1-171, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSHMSSKRT</u> KTKTKKRPQR ATSNVFAMFD QSQIQEFKEA FNMIDQNRDG FIDKEDLHDM LASLGKNPTD EYLDAMMNEA PGPINFTMFL TMFGEKLNLT DPEDVIRNAF ACFDEEATGT IQEDYLRELL TTMGDRFTDE EVDELYREAP IDKKGNFYNI 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: