

Recombinant Human MYL12A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYL12A-4844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYL12A MS Standard C13 and N15-labeled recombinant protein (NP_006462) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	19.8 kDa
AA Sequence	MSSKRTKTKTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDM LASLGKNPTDEYLDAMMNEAPGPINFTMFLTMFGEKLNGLTDPEDVIRNAFACFDEEA TGTIQEDYLRELLTTMGDRFTDEEVDELYREAPIDKKGNFNIEFTRILKHGAKDKDD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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 45-1 Ramsey Road, Shirley, NY 11967, USA

conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MYL12A myosin light chain 12A [Homo sapiens (human)]

Official Symbol MYL12A

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

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SDS-PAGE

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