

Recombinant Human MYL12A Protein, His-tagged

Cat. No. MYL12A-5536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRCL3 (NP_006462, 1 a.a. - 171 a.a.) full-length recombinant protein with His tag expressed in Escherichia coli.
Species	Human
Source	E.coli
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.[provided by RefSeq, Dec 2014]
Form	Liquid
Molecular Mass	22.4 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMSSKRTKTKTKRKPQRATSNVFAMFDQSQI QEFKEAFNMIDQNRDGFIDKEDLHDMLASLGKNPTDEYLDAMMNEAPGPINFTMFLT MFGEKLNGTDPEDVIRNAFACFDEEATGTIQEDYLRELLTTMGDRFTDEEVDELYRE APIDKKGNFNYIEFTRILKHGAKDKDD
Purity	> 90% by SDS-PAGE

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Applications	SDS-PAGE
Storage	Store at 4 centigrade for 1-2 weeks. For long term storage store at -20 centigrade or -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.25 mg/mL
Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (20% glycerol, 1 mM dithiothreitol)
GENE INFORMATION	
Gene Name	MYL12A myosin light chain 12A [Homo sapiens (human)]
Official Symbol	MYL12A
Synonyms	MYL12A; myosin light chain 12A; MLCB; MRCL3; MRLC3; MYL2B; MLC-2B; HEL-S-24; myosin regulatory light chain 12A; epididymis secretory protein Li 24; myosin RLC; myosin regulatory light chain 2, nonsarcomeric; myosin regulatory light chain 3; myosin regulatory light chain MRCL3; myosin, light chain 12A, regulatory, non-sarcomeric; myosin, light polypeptide, regulatory, non-sarcomeric (20kD)
Gene ID	10627
mRNA Refseq	NM_001303047
Protein Refseq	NP_001289976
UniProt ID	P19105