

Active Recombinant Human Myosin, Light Chain 2, Regulatory, Cardiac, Slow

Cat. No. MYL2-235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VMLC protein produced in <i>E. Coli</i> encodes full length amino acids.
Species	Human
Source	E.coli
Description	VMLC is a subunit of the heterohexameric myosin protein, which modulates striated muscle contraction in response to phosphorylation by MLCK (myosin light chain kinase).
Formulation	2x50ug/33μl purified human VMLC protein at 1.52mg/ml in 10mM Tris –HCl, 1mM EDTA PH 7.5.
Application and suggested dilutions	•ELISA •Inhibition Assays •Western Blotting
Activity	Assayed for phosphorylation by MLCK.
Storage & stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.
Full Length	Full L.

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GENE INFORMATION

Gene Name	MYL2 myosin, light chain 2, regulatory, cardiac, slow [Homo sapiens]
Synonyms	MYL2; myosin, light chain 2, regulatory, cardiac, slow; MLC-2; MLC-2v; CMH10; DKFZp779C0562; slow cardiac myosin regulatory light chain 2; RLC of myosin; myosin light chain 2; regulatory light chain of myosin; cardiac ventricular myosin light chain 2; myosin, light polypeptide 2, regulatory, cardiac, slow; myosin regulatory light chain 2, ventricular/cardiac muscle isoform
Gene ID	4633
mRNA Refseq	NM_000432
Protein Refseq	NP_000423
MIM	160781
UniProt ID	P10916
Chromosome Location	12q24.11
Pathway	Focal adhesion; Hypertrophic cardiomyopathy (HCM); Leukocyte transendothelial migration; Regulation of actin cytoskeleton; Tight junction; Muscle contraction
Function	actin monomer binding; calcium ion binding; motor activity; myosin heavy chain binding; protein binding; structural constituent of muscle

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