

Recombinant Full Length Human MYL2 Protein, C-Flag-tagged

Cat. No. MYL2-960HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MYL2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a major sarcomeric protein in mammalian striated muscle. The encoded protein plays a role in embryonic heart muscle structure and function, while phosphorylation of the encoded protein is involved in cardiac myosin cycling kinetics, torsion and function in adults. Mutations in this gene are associated with hypertrophic cardiomyopathy 10 and infant-onset myopathy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	18.6 kDa
AA Sequence	MAPKKAKKRAGGANSNVFSMFEQTQIQEFKEAFTIMDQNRDGFIDKNDLRDTFAAL GRVNVKNEEIDEMI KEAPGPINFTVFLTMFGEKLGADPEETILNAFKVFDPEGKGVL KADYVREMLTTQAERFSKEEVDQMFA AFPPDVTGNLDYKNLVHIITHGEEKDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Cardiac muscle contraction, Dilated cardiomyopathy, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction
Full Length	Full L.

GENE INFORMATION

Gene Name	MYL2 myosin light chain 2 [Homo sapiens (human)]
Official Symbol	MYL2
Synonyms	MLC2; CMH10; MFM12; MLC-2; MLC-2v; MLC-2s/v
Gene ID	4633
mRNA Refseq	NM_000432.4
Protein Refseq	NP_000423.2
MIM	160781

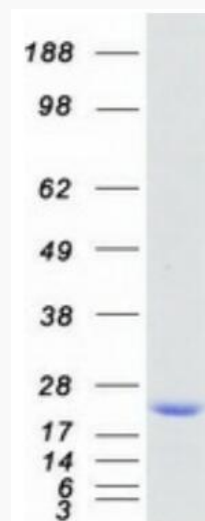
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UniProt ID

P10916



Coomassie blue staining of purified MYL2 protein.

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