Recombinant Full Length Human MYL2 Protein, GST-tagged

Cat. No. MYL2-6759HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYL2 full-length ORF (AAH15821.1, 1 a.a. - 166 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	166 amino acids
Description	Thus gene encodes the regulatory light chain associated with cardiac myosin beta (or slow) heavy chain. Ca+ triggers the phosphorylation of regulatory light chain that in turn triggers contraction. Mutations in this gene are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq
Molecular Mass	44.00 kDa
AA Sequence	MAPKKAKKRAGGANSNVFSMFEQTQIQEFKEAFTIMDQNRDGFIDKNDLRDTFAAL GRVNVKNEEIDEMIKEAPGPINFTVFLTMFGEKLKGADPEETILNAFKVFDPEGKGVL KADYVREMLTTQAERFSKEEVDQMFAAFPPDVTGNLDYKNLVHIITHGEEKD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MYL2 myosin light chain 2 [Homo sapiens (human)]
Official Symbol	MYL2
Synonyms	MYL2; myosin, light chain 2, regulatory, cardiac, slow; myosin, light polypeptide 2, regulatory, cardiac, slow; myosin regulatory light chain 2, ventricular/cardiac muscle isoform; cardiac ventricular myosin light chain 2; CMH10; MLC-2; MLC-2v; RLC of myosin; myosin light chain 2; regulatory light chain of myosin; slow cardiac myosin regulatory light chain 2; MLC2; DKFZp779C0562;
Gene ID	4633
mRNA Refseq	NM_000432
Protein Refseq	NP_000423
MIM	160781
UniProt ID	P10916

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