

Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MYL2) Recombinant Protein | MYL2 recombinant protein

Recombinant Human Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MYL2), partial

CATALOG # AAA81661	HOST E Coli
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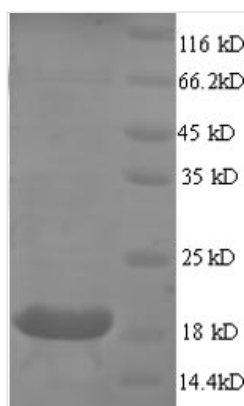
PRODUCT SYNONYMS

Myosin regulatory light chain 2; ventricular/cardiac muscle isoform (MYL2); Recombinant Human Myosin regulatory light chain 2; partial; MYL2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	8-164. Partial.
Sequence	KRAGGANSNV FSMFEQTQIQ EFKEAFTIMD QNRDGFIDKN DLRDTFAALG RVNVKNEEID EMIKEAPGPI NFTVFLTMFG EKLKGADPEE TILNAFKVFD PEGKGVKAD YVREMLTTQA ERFKSKEEVDQ MFAAFPDPVT GNLDYKNLVH IITHGEE
Sequence Length	164
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for MYL2 recombinant protein	Cardiovascular
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References	Isolation and nucleotide sequence of the cDNA encoding human ventricular myosin light chain 2.Libera L.D., Hoffmann E., Floroff M., Jackowski G.Nucleic Acids Res. 17:2360-2360(1989) Wu Q.L. Margossian S.S., Umeda P.K., Sciaky D., Anderson P.A.W.Interaction of a conserved peptide domain in recombinant human ventricular myosin light chain-2 with myosin heavy chain.Wadgaonkar R., Shafiq S., Rajmanickam C., Siddiqui M.A.Cell. Mol. Biol. Res. 39:13-26(1993) The major protein expression profile and two-dimensional protein database of human heart.Kovalyov L.I., Shishkin S.S., Efimochkin A.S., Kovalyova M.A., Ershova E.S., Egorov T.A., Musalyamov A.K.Electrophoresis 16:1160-1169(1995) Protein interactions with myocilin.Wentz-Hunter K., Ueda J., Yue B.Y.Invest. Ophthalmol. Vis. Sci. 43:176-182(2002) Mutations in either the essential or regulatory light chains of myosin are associated with a rare myopathy in human heart and skeletal muscle.Poetter K., Jiang H., Hassanzadeh S., Master S.R., Chang A., Dalakas M.C., Rayment I., Sellers J.R., Fananapazir L., Epstein N.D.Nat. Genet. 13:63-69(1996) Identification of two novel mutations in the ventricular regulatory myosin light chain gene (MYL2) associated with familial and classical forms of hypertrophic cardiomyopathy.Flavigny J., Richard P., Isnard R., Carrier L., Charron P., Bonne G., Forissier J.F., Desnos M., Dubourg O., Komajda M., Schwartz K., Hainque B.J. Mol. Med. 76:208-214(1998) Systematic analysis of the regulatory and essential myosin light chain genes genetic variants and mutations in hypertrophic cardiomyopathy.Kabaeva Z.T., Perrot A., Wolter B., Dietz R., Cardim N., Correia J.M., Schulte H.D., Aldashev A.A., Mirrakhimov M.M., Osterziel K.J.Eur. J. Hum. Genet. 10:741-748(2002) Hypertrophic cardiomyopathy distribution of disease genes, spectrum of mutations, and implications for a molecular diagnosis strategy.Richard P., Charron P., Carrier L., Ledeuil C., Cheav T., Pichereau C., Benaiche A., Isnard R., Dubourg O., Burban M., Gueffet J.-P., Millaire A., Desnos M., Schwartz K., Hainque B., Komajda M.Circulation 107:2227-2232(2003) ErratumRichard P., Charron P., Carrier L., Ledeuil C., Cheav T., Pichereau C., Benaiche A., Isnard R., Dubourg O., Burban M., Gueffet J.-P., Millaire A., Desnos M., Schwartz K., Hainque B., Komajda M.Circulation 109:3258-3258(2004) Identification of the genotypes causing hypertrophic cardiomyopathy in northern Sweden.Moerner S., Richard P., Kazzam E., Hellman U., Hainque B., Schwartz K., Waldenstroem A.J. Mol. Cell. Cardiol. 35:841-849(2003)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94981553
NCBI GeneID	4633
NCBI Accession #	NP_000423.2
NCBI GenBank Nucleotide #	NM_000432.3
UniProt Accession #	P10916; Q16123
Molecular Weight	21.8 kDa
NCBI Official Full Name	myosin regulatory light chain 2, ventricular/cardiac muscle isoform
NCBI Official Synonym Full Names	myosin light chain 2
NCBI Official Symbol	MYL2
NCBI Official Synonym Symbols	MLC2; CMH10; MLC-2s/v
NCBI Protein Information	myosin regulatory light chain 2, ventricular/cardiac muscle isoform
UniProt Protein Name	Myosin regulatory light chain 2, ventricular/cardiac muscle isoform
UniProt Gene Name	MYL2
UniProt Synonym Gene Names	MLC-2s/v
UniProt Entry Name	MLRV_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.