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32-4263: Recombinant Human Myosin Light Chain 2

Alternative Name : MLC2,CMH10,MYL-2,Myosin regulatory light chain 2,MYOSIN LIGHT CHAIN REGULATORY VENTRICULAR,DKFZp779C0562,MYL2,MLC-2v,MLC-2.

Description

Source : Escherichia Coli. MYL2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 186 amino acids (1-166) and having a molecular mass of 20.9 kDa. MYL2 is fused to a 20 amino acid His Tag fused at N-terminus and purified by proprietary chromatographic techniques. MYL2 regulatory light chain is associated with cardiac myosin beta (or slow) heavy chain. Ca+ activates the phosphorylation of regulatory light chain that in turn activates contraction. Mutations in this MYL2 gene are related with mid-left ventricular chamber type hypertrophic cardiomyopathy. MYL2 is an essential protein that plays a role in the regulation of myosin ATPase activity in smooth muscle. MYL2 phosphorylation is regulated by ROCK and MLC kinase and is involved in platelet biogenesis by controlling proplatelet formation and fragmentation.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	MYL2 solution containing 20mM Tris pH-8 pH-7.4, 20% glycerol and 5mM CaCl2.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAPKKAKKRA GGANSNVFSM FEQTQIQEFK EAFTIMDQNR DGFIDKNDLR DTFAALGRVN VKNEEIDEMI KEAPGPINFT VFLTMFGEKL KGADPEETIL NAFKVFDPEG KGVLKADYVR EMLTTQAERF SKEEVDQMFA AFPPDVTGNL DYKNLVHIIT HGEEKD.

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