

Product datasheet for **AR09060PU-N**

Myosin light chain 2 (MYL2) (1-166, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Myosin light chain 2 (MYL2) (1-166, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAPKKAKKRA GGANSNVFSM FEQTQIQEFK EAFTIMDQNR DGFIDKNDLR DTFAALGRVN VKNEEIDEMI KEAPGPINFT VFLTMFGEKL KGADPEETIL NAFKVFDPPEG KGVLKADYVR EMLTTQAERF SKEEVDQMFA AFPPDVTGNL DYKLNLVHIIT HGEEKD
Tag:	His-tag
Predicted MW:	20.9 kDa
Concentration:	lot specific
Purity:	>95% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 40% glycerol, 5 mM CaCl ₂
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MYL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000423
Locus ID:	4633
UniProt ID:	P10916 , Q6IB42
Cytogenetics:	12q24.11
Synonyms:	CMH10; MLC-2s/v; MLC2



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Summary: This 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, Jul 2008]

Protein Pathways: Cardiac muscle contraction, Dilated cardiomyopathy, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction

Product images:

