abcam

Product datasheet

Recombinant Human Myosin Light Chain 2 protein ab79185

2 Images

Description

Product name	Recombinant Human Myosin Light Chain 2 protein
Purity	> 95 % SDS-PAGE. ab79185 is purified using conventional chromatography techniques.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	P10916
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MAPKKAKKRA GGANSNVFSM FEQTQIQEFK EAFTIMDQNR DGFIDKNDLR DTFAALGRVN VKNEEIDEMI KEAPGPINFT VFLTMFGEKL KGADPEETIL NAFKVFDPEG KGVLKADYVR EMLTTQAERF SKEEVDQMFA AFPPDVTGNL DYKNLVHIIT HGEEKD
Predicted molecular weight	21 kDa
Amino acids	1 to 166
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab79185** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Western blot
Form	Liquid

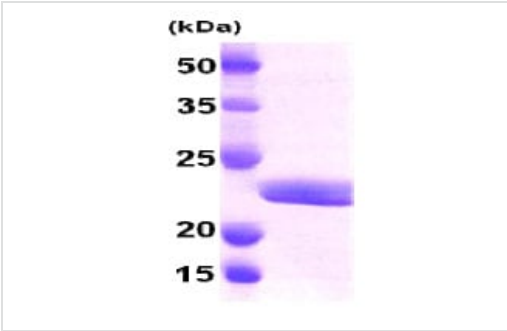
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.0555% Calcium chloride, 0.242% Tris, 40% Glycerol (glycerin, glycerine)

General Info

Involvement in disease	Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic type 10 (CMH10) [MIM:608758]. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death. Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic with mid-left ventricular chamber type 2 (MVC2) [MIM:608758]. MVC2 is a very rare variant of familial hypertrophic cardiomyopathy, characterized by mid-left ventricular chamber thickening.
Sequence similarities	Contains 3 EF-hand domains.
Post-translational modifications	N-terminus is methylated by METTL11A/NTM1.

Images



SDS-PAGE - Recombinant Human Myosin Light Chain 2 protein (ab79185)

15% SDS-PAGE showing ab79185 at approximately 21kDa (3µg).

Western blot - Recombinant Human Myosin Light Chain 2 protein (ab79185)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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