

Recombinant Full Length Human MYL3 Protein, C-Flag-tagged

Cat. No. MYL3-629HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MYL3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	21.8 kDa
AA Sequence	MAPKKPEPKKDDAKAAPKAAPAPAPPPEPERPKEVEFDASKIKIEFTPEQIEEFKEAF MLFDRTPKCEMK ITYGQCGDVLRALGQNPTQAEVLRVLGKPRQEELNTKMMDFET FLPMLQHISKNKDTGTIEDFVEGLRVF DKEGNGTVMGAELRHVLATLGERLTEDEVEKLMAGQEDSNGCINYEAFVKHIMSST RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)
Full Length	Full L.

GENE INFORMATION

Gene Name	MYL3 myosin light chain 3 [Homo sapiens (human)]
Official Symbol	MYL3
Synonyms	CMH8; VLC1; VLCL; MLC1V; MLC1SB; MLC-IV/sb
Gene ID	4634
mRNA Refseq	NM_000258.3
Protein Refseq	NP_000249.1
MIM	160790

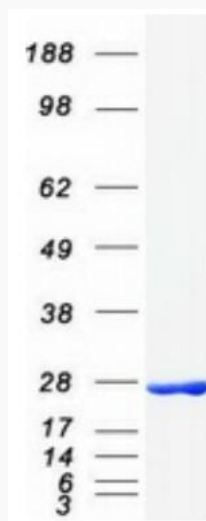
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UniProt ID

P08590



Coomassie blue staining of purified MYL3 protein.

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