Recombinant Human MYL3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYL3-5033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYL3 MS Standard C13 and N15-labeled recombinant protein (NP_000249) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	21.9 kDa
AA Sequence	MAPKKPEPKKDDAKAAPKAAPAPAPPPEPERPKEVEFDASKIKIEFTPEQIEEFKEAF MLFDRTPKCEMKITYGQCGDVLRALGQNPTQAEVLRVLGKPRQEELNTKMMDFETF LPMLQHISKNKDTGTYEDFVEGLRVFDKEGNGTVMGAELRHVLATLGERLTEDEVE KLMAGQEDSNGCINYEAFVKHIMSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

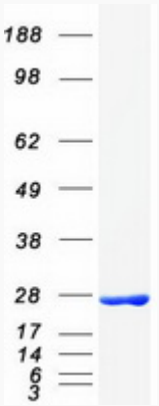
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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MYL3 myosin light chain 3 [Homo sapiens (human)]
Official Symbol	MYL3
Synonyms	MYL3; myosin, light chain 3, alkali; ventricular, skeletal, slow; myosin, light polypeptide 3, alkali; ventricular, skeletal, slow; myosin light chain 3; CMH8; MLC1SB; MLC1V; VLC1; CMLC1; cardiac myosin light chain 1; ventricular/slow twitch myosin alkali light chain; myosin light chain 1, slow-twitch muscle B/ventricular isoform; myosin, light polypeptide 3, alkali; ventricular, skeletal, slow;
Gene ID	4634
mRNA Refseq	NM_000258
Protein Refseq	NP_000249
MIM	160790
UniProt ID	P08590

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SDS-PAGE	

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