

Recombinant Full Length Human MYL3 Protein, GST-tagged

Cat. No. MYL3-6760HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYL3 full-length ORF (AAH09790, 1 a.a. - 195 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	195 amino acids
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. [provided by RefSeq
Molecular Mass	47.19 kDa
AA Sequence	MAPKKPEPKKDDAKAAPKAAPAPAPPPEPERPKEVEFDASKIKIEFTPEQIEEFKEAF MLFDRTPKCEMKITYGQCGDVLRLALGQNPTQAEVLRVLGKPRQEELNTKMMDFETF LPMLQHISKNKDTGTIEDFVEGLRVFDKEGNGTVMGAELRHVLATLGERLTEDEVE KLMAGQEDSNGCINYEAFVKHIMSS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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