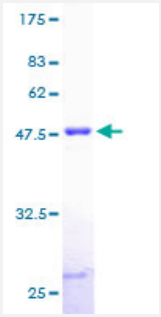
Full-Length

MYL3 (Human) Recombinant Protein (P01)

Catalog # H00004634-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MYL3 full-length ORF (AAH09790, 1 a.a. - 195 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAPKKPEPKKDDAKAAPKAAPAPAPPPEPERPKEVEFDASKIKIEFTPEQIEEFKEAFMLFDRTP KCEMKITYGQCGDVLRALGQNPTQAEVLRVLGKPRQEELNTKMMDFETFLPMLQHISKNKDTGTY EDFVEGLRVFDKEGNGTVMGAELRHVLATLGERLTEDEVEKLMAGQEDSNGCINYEAFVKHIMS S
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.19
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MYL3

Entrez GeneID	4634
GeneBank Accession#	BC009790
Protein Accession#	AAH09790
Gene Name	MYL3
Gene Alias	CMH8, MLC1SB, MLC1V, VLC1
Gene Description	myosin, light chain 3, alkali; ventricular, skeletal, slow
Omim ID	160790 608751
Gene Ontology	Hyperlink
Gene Summary	MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both th e ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identifie d as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefS eq
Other Designations	OTTHUMP00000165922|myosin, light polypeptide 3, alkali; ventricular, skeletal, slow|slow skelet al ventricular myosin alkali light chain 3

Pathway

- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)

Disease

- Cardiomegaly
- Cardiomyopathy
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertrophy
- Lipid Metabolism
- Mitochondrial Myopathies