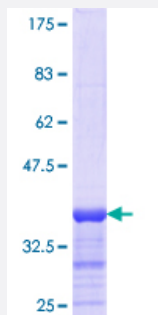


MYL3 (Human) Recombinant Protein (Q01)

Catalog # H00004634-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MYL3 partial ORF (NP_000249.1, 34 a.a. - 106 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EVEFDASKIKIEFTPEQIEEFKEAFMLFDRTPKCEMKITYGQCGDVLRLALGQNPTQAEVLRVLGKPRQEELNT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.77
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#	NM_000258
Protein Accession#	NP_000249.1
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 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]
Other Designations	OTTHUMP00000165922 myosin, light polypeptide 3, alkali; ventricular, skeletal, slow slow skeletal 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](#)