

Recombinant Human MYL3 protein, His-tagged

Cat. No. MYL3-8027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYL3 aa. (Lys5~Gly181 (Accession # P08590)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys5~Gly181
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.2.
Applications	SDS-PAGE; WB; ELISA; IP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

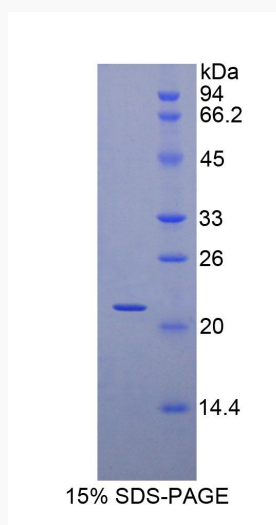
 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	MYL3 myosin light chain 3 [Homo sapiens (human)]
Official Symbol	MYL3
Synonyms	MYL3; myosin light chain 3; CMH8; VLC1; VLCL; MLC1V; MLC1SB; MLC-IV/sb; CMLC1; cardiac myosin light chain 1; myosin light chain 1, slow-twitch muscle B/ventricular isoform; myosin, light chain 3, alkali; ventricular, skeletal, slow; myosin, light polypeptide 3, alkali; ventricular, skeletal, slow; ventricular myosin alkali light chain; ventricular myosin light chain 1; ventricular/slow twitch myosin alkali light chain
Gene ID	4634
mRNA Refseq	NM_000258.2

Protein Refseq NP_000249.1

UniProt ID P08590

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA