

Recombinant Human MYL3, GST-tagged

Cat. No. MYL3-1134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYL3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-195aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	MYL3 myosin, light chain 3, alkali; ventricular, skeletal, slow [Homo sapiens]
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;

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	myosin, light polypeptide 3, alkali; ventricular, skeletal, slow;
Gene ID	4634
mRNA Refseq	NM_000258
Protein Refseq	NP_000249
MIM	160790
UniProt ID	P08590
Chromosome Location	3p
Pathway	Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem; Hypertrophic cardiomyopathy (HCM), conserved biosystem; Muscle contraction, organism-specific biosystem;
Function	actin monomer binding; calcium ion binding; motor activity; myosin II heavy chain binding; structural constituent of muscle;