

Recombinant Human MYLK3 Protein, GST-tagged

Cat. No. MYLK3-5382H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MLCK partial ORF (NP_872299.1, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Phosphorylation of cardiac myosin heavy chains (see MYH7B, MIM 609928) and light chains (see MYL2, MIM 160781) by a kinase, such as MYLK3, potentiates the force and rate of cross-bridge recruitment in cardiac myocytes (Chan et al., 2008 [PubMed 18202317]).[supplied by OMIM
Molecular Mass	36.74 kDa
AA Sequence	MDTKLNMLNEKVDQLLHFQEDVTEKLQSMCRDMGHLERGLHRLEASRAPGPGGAD GVPHIDTQAGWPEVLELVAMQQDAAQHGARLEALFRMVAAVDRA
Applications	Antibody Production Functional Study Compound Screening
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.

 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

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name MYLK3 myosin light chain kinase 3 [Homo sapiens]

Official Symbol MYLK3

Synonyms MYLK3; myosin light chain kinase 3; putative myosin light chain kinase 3; caMLCK; MLC kinase; MLCK; cardiac-MyBP-C associated Ca/CaM kinase; cardiac-MyBP-C-associated Ca/CaM kinase; MLCK2; MGC126319; MGC126320;

Gene ID 91807

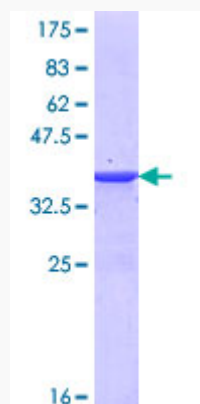
mRNA Refseq NM_182493

Protein Refseq NP_872299

MIM 612147

UniProt ID Q32MK0

Quality Control Testing:



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12.5% SDS-PAGE Stained with Coomassie Blue.

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