

Recombinant Human Non-Muscle Myosin-II Regulatory Light Chain

Cat. No. NMM-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NMM protein expressed in <i>E.coli</i> encodes full length amino acids.
Species	Human
Source	E.coli
Description	Non muscle Myosins are required for cytokinesis at the end of cell division, when a contractile ring near the plasmalemma divides the cytoplasm of the daughter cells, They are involved in cytoplasmic streaming movements in tissues, and especially in activation of motile cells such as fibroblasts and macrophages, Activation of non-muscle myosin-II is achieved by phosphorylation of Ser33 in the motif KKRPQRATSN by a dedicated, Ca ²⁺ . Calmodulin regulated light chain kinase (MLCK).
Formulation	10g/50μ purified human NMM protein at 0.2mg/ml in 20mM HEPES-KOH, pH7, 50mM NaCl, 1mM EDTA and 1mM DTT.
Application and suggested dilutions	•ELISA•Inhibition Assays •Western Blotting
Activity	Assayed for phosphorylation by MLCK.
Storage & stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

 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

Full Length

Full L.

GENE INFORMATION**Synonyms**

MYL2; CMH10; DKFZp779C0562; MLC-2; MLC-2v; RLC of myosin; MLC2; Myosin; light chain 2; regulatory; cardiac; slow; cardiac ventricular myosin light chain 2; myosin light chain 2; myosin regulatory light chain 2, ventricular/cardiac muscle isoform; myosin, light chain 2, regulatory, cardiac, slow; myosin, light polypeptide 2, regulatory, cardiac, slow; regulatory light chain of myosin; slow cardiac myosin regulatory light chain 2.

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