

Non-Muscle Myosin-II Regulatory Light Chain Active Protein | NMM active protein

Recombinant Human Non-Muscle Myosin-II Regulatory Light Chain

CATALOG #
AAA38457

HOST
E Coli

PRODUCT SYNONYMS

Non-Muscle Myosin-II Regulatory Light Chain; Recombinant Human Non-Muscle Myosin-II Regulatory Light Chain; Non-Muscle Myosin-II Regulatory light chain; NMM; NMM active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	NMM protein at 0.2mg/ml in 20mM HEPES-KOH, pH7, 50mM NaCl, 1mM EDTA and 1mM DTT. Sterile Filtered clear solution.
Sequence	MSSKKAKTKT TTKRPQRATS NVFAMFDQSQ IQEFKEAFNM IDQNRDGFID KEDLHDM LAS LGKNPTDAYL DAMMNEAPGP INFTMFLTMF GEKLN GTDPE DVIRNAFACF DEEATGTIQE DY LRELLTTM GDRFTDEEVD ELYREAPIDK KGNFN YIEFT RILKHGAKDK DD
Activity	Assayed for phosphorylation by MLCK.
Preparation and Storage	Store vial at -20 degree C to -80 degree C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for NMM active protein	Description: Non-Muscle Myosin-II Regulatory Light Chain Human Recombinant full length expressed in E Coli. The NMM is purified by proprietary chromatographic techniques. Introduction: 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 KKR PQ RATS N by a dedicated, Ca +2 Calmodulin regulated light chain kinase (MLCK).
Product Categories/Family for NMM active protein	Recombinant & Natural Proteins; Recombinant Proteins; Myosin Light Chain

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-nmm-active-protein/non-muscle-myosin-ii-regulatory-light-chain/38457>