
Product Data Sheet

Product Name: NMM Human
 Cat. No.: GP24054
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Non-Muscle Myosin-II Regulatory Light Chain; NMM.		
Amino Acid Sequence	MSSKKAKTKT TKKRPQRATS NVFAMFDQSQ IQEFKEAFNM IDQNRDGFID KEDLHDMLAS LGKNPTDAYL DAMMNEAPGP INFTMFLTMF GEKLNQTDPE DVIRNAFACF DEEATGTIQE DYLLRELLTTM GDRFTDEEVD ELYREAPIDK KGNFNIEFT RILKHGAKDK DD.		
Formulation	NMM protein at 0.2mg/ml in 20mM HEPES-KOH, pH7, 50mM NaCl, 1mM EDTA and 1mM DTT.		

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 KKRPRATS_N by a dedicated, Ca⁺² Calmodulin regulated light chain kinase (MLCK).

Biological Activity

Assayed for phosphorylation by MLCK.

Stability

Store vial at -20°C to -80°C . When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

Background

Non-Muscle Myosin-II Regulatory Light Chain Human Recombinant full length expressed

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

in E.coli.The NMM is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA