



Product Datasheet

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| Product Name | Non-Muscle Myosin-II Regulatory Light Chain Human Recombinant |
| Cata No | CB500987 |
| Source | <i>Escherichia Coli.</i> |
| Synonyms | Non-Muscle Myosin-II Regulatory Light Chain, NMM. |

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).

Non-Muscle Myosin-II Regulatory Light Chain Human Recombinant full length expressed in E.coli. The NMM is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Biological Activity

Assayed for phosphorylation by MLCK.

Formulation

NMM protein in 20mM HEPES-KOH, pH7, 50mM NaCl, 1mM EDTA and 1mM DTT.

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.

Applications

- ELISA
- Inhibition Assays
- Western Blotting