Active Native Rabbit Myosin II Protein

Cat. No. MYH-11R **Lot. No.** (See product label)

SPECIFICATION

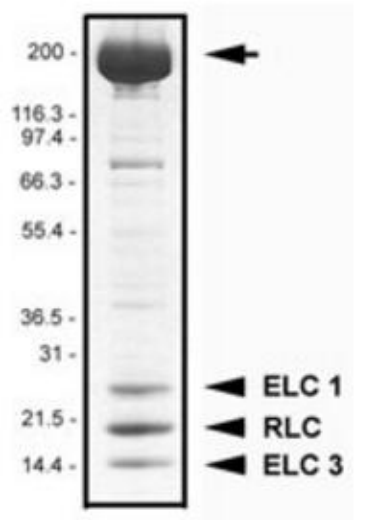
Product Overview	Myosin II protein has been purified from rabbit skeletal muscle. The full length myosin II protein has been purified with its essential light chains (ELC) and regulatory light chains (RLC)
Species	Rabbit
Source	Rabbit skeletal muscle
Form	Lyophilized from 100 mM Imidizole pH 7.5, 2.4 M KCl, 0.2 mM DTT, 5% sucrose and 1% dextran.
Bio-activity	The biological activity of rabbit myosin II is determined from its rate of F-actin activated ATP hydrolysis. A standard biological assay for monitoring ATP hydrolysis by myosin consists of an in vitro F-actin ATPase assay. Stringent quality control ensures that in the presence of F-actin, rabbit myosin will have a minimum hydrolysis rate 10 fold greater than in the absence of F-actin, which is comparable to published results.
Molecular Mass	The myosin heavy chain (approx. 200 kDa), arrowheads indicate the RLC (approx. 20 kDa) and two ELC isoforms (approx. 25 and 17 kDa).
Purity	95%
Stability	The lyophilized protein is stable at 4 centigrade desiccated (<10% humidity) for 1 year.

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Reconstitution	Reconstituted in nanopure water.
Full Length	Full L.

GENE INFORMATION

Synonyms	Myosin II; light chains



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