

HMM (Heavy Mero Myosin)

Catalogue-Number: 850200

Heavy mero myosin, 5 pellets

Organism: White New Zealand Rabbit

Description:

The protein has been isolated from skeletal muscle of white New Zealand rabbits according to the method described by Margossian, S.S. and Lowey, S. It has a Molecular Weight of 350 000 Dalton.

Product Specification

One pellet of HMM has a volume of about 30 μ l and a protein concentration of 0.2 mg/ml as determined by measuring the O.D. at 280 nm.

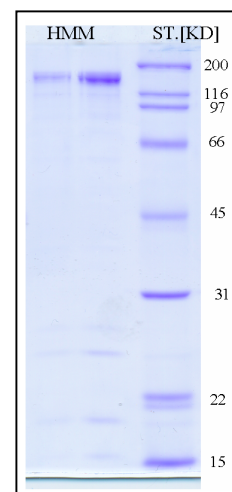
Quality Control

Each batch of HMM is thoroughly tested for purity by SDS-Page. The HMM produced by CLS shows one band at MWt. 140 000 Dalton (runs in SDS-Page as 2x 140 00 Dalton heavy chain). Additionally, each batch of HMM molecules is controlled for its ability to promote movement of actin filaments over its surface in a motility assay as described by Uttenweiler et al., 2000.

Stability and Storage

HMM-pellets can be stored for 12 months at -80°C or for a prolonged period of time at -196°C (in liquid nitrogen).

Each pellet contains additionally 20 % sucrose.



References:

Uttenweiler, D., Veigel, C., Steubing, R., Götz, C., Mann, S., Haussecker, H., Jähne, B. and Fink, R.H.A. Motion determination in actin filament fluorescence images with a spatio-temporal orientation analysis. *Biophys. J.* 78: 2709-2715 (2000)

Margossian, S.S. and Lowey, S. Preparation of myosin and its subfragments from rabbit skeletal muscle. *Methods Enzymol.* 85: 55-71 (1982)