Designation: HMM

Heavy MeroMyosin

CLS order number: 850200: 5 Pellets

Organism: White New Zealand Rabbit

Tissue: Skeletal muscle

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.

MWt  350 000 Dalton

Product Specification

One pellet of HMM has a volume of about 30 µl and a protein concentration of 0.2 mg/ml as determined by measuring the O.D. at 280 nm. HMM is stored as sucrose pellets at -78°C.

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 10 % sucrose.

Notes: Although this material has been tested thoroughly, the user should treat it as potential biohazardous. Protective clothing and eyewear are recommended.

References:


This product is for research use only. Not intended for any therapeutic or diagnostic use.