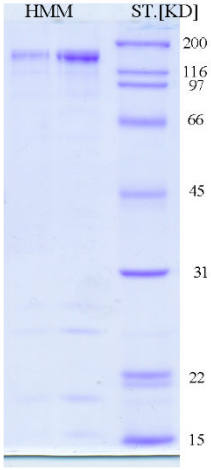
Designation: **HMM**
Heavy MeroMyosin

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 cloathing and eyewear are recommended.

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

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.

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

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