

Myosin Light Chain 5 (1-173 a.a.) Human Recombinant

Item Number	rAP-3682
Synonyms	Myosin light chain 5, Myosin regulatory light chain 5, Superfast myosin regulatory light chain 2, MYLC2, MyLC-2, MYL5.
Description	MYL5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 197 amino acids (1-173 a.a.) and having a molecular mass of 22.1kDa.MYL5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q02045
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTMASRKT KKKEGGALRA QRASSNVFSN FEQTQIQEFK EAFTLMDQNR DGFIDKEDLK DTYASLGKTN VKDDELDAML KEASGPINFY MFLNLFGEKL SGTDAAEETIL NAFKMLDPDG KGKINKEYIK RLLMSQADKM TAAEVDQMFQ FASIDVAGNLDYKALSYVIT HGEEKEE.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	MYL5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl,1mM DTT and 0.1mM PMSF. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**