

Myosin Light Chain 5 Human Recombinant

Item Number	rAP-3681
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 156 amino acids (1-132 a.a.) and having a molecular mass of 17.4kDa.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 MGSMDQNRD GFIDKEDLKD TYASLGKTNV KDDELDAMLK EASGPINFMT FLNLFGEKLS GTDAEETILN AFKMLDPDGK GKINKEYIKR LLMSQADKMT AAEVDQMFQF ASIDVAGNLD YKALSYVITH GEEKEE.
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 (pH 8.0) containing 1mM DTT, 30% glycerol and 0.1M NaCl. 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**