

Myosin Light Chain 12B Human Recombinant

Item Number	rAP-3672
Synonyms	Myosin light chain 12B regulatory, Myosin regulatory light chain 2-B smooth muscle isoform, Myosin regulatory light chain 20 kDa, Myosin regulatory light chain MRLC2, MYLC2B, MRLC2, MLC-2A, MLC-B, SHU-JUN-1 MLC20.
Description	MYL12B Human Recombinant produced in <i>E. coli</i> is a single polypeptide chain containing 196 amino acids (1-172) and having a molecular mass of 22.3kDa. MYL12B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O14950
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMSSKKA KTKTTKKRPQ RATSNVFAMF DQSQIQEFKE AFNMIDQNRD GFIDKEDLHD MLASLGKNPT DAYLDAMMNE APGPINFTMF LTMFGEKLNG TDPEDVIR- NA FACFDEEATG TIQEDYLREL LTTMGDRFTD EEVDELYREA PIDKKGNFNY IEFTRILKHG AKDKDD
Source	<i>E. coli</i> .
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	The MYL12B solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 40% glycerol. Greater than 90% 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**