

MYL6 Human

Description: MYL6 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 171 amino acids (1-151 a.a.) and having a molecular mass of 19.1kDa. The MYL6 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-178

For research use only.

Synonyms: Myosin light polypeptide 6, 17 kDa myosin light chain, LC17, Myosin light chain 3, MLC-3, Myosin light chain alkali 3, Myosin light chain A3, Smooth muscle and nonmuscle myosin light chain alkali 6, MYL6, ESMLC, LC17A, LC17B, MLC1SM, MLC3NM, MLC3SM, LC17-

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MCDFTEDQTA EFKEAFQLFD
RTGDGKILYS QCGDVMRALG QNPTNAEVLK VLGPNKSDM NVKVLDFEHF LPMLQTVAKN
KDQGTYYEDYV EGLRVFDKEG NGTVMGAEIR HVLVTLGEKM TEEVEMLVA GHEDSNGCIN
YEELVRMVLN G.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The MYL6 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

Stability:

MYL6 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Myosin light polypeptide 6 (MYL6) is a hexameric ATPase cellular motor protein. MYL6 is composed of 2 heavy chains, 2 nonphosphorylatable alkali light chains, and 20 phosphorylatable regulatory light chains. MYL6 is a myosin alkali light chain which is expressed in smooth muscle and non-muscle tissues. MYL6 partakes in generating the force for cellular movements, thus having an imperative role in overall cellular function.

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