

MYL4 Human

Description: MYL4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-197 a.a.) and having a molecular mass of 22.6kDa. MYL4 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-999

For research use only.

Synonyms: Myosin light chain 4 alkali atrial embryonic, ALC1, AMLC, GT1, Myosin light chain 1 embryonic muscle/atrial isoform, Myosin light chain alkali GT-1 isoform, PRO1957, MLC1.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MAPKKPEPKK EAAKPAPAPA PAPAPAPAPA PEAPKEPAFD
PKSVKIDFTA DQIEEFKEAF SLFDRTPTGE MKITYGQCGD VLRALGQNPT NAEVLRVLGK
PKPEEMNVKM LDFETFLPIL QHISRNKEQG TYEDFVEGLR VFDKESNGTV MGAELRHVLA
TLGEKMTEAE VEQLLAGQED ANGCINYEAF VKHIMSGLEH HHHHH

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

MYL4 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 150mM NaCl, 1mM DTT and 20% glycerol.

Stability:

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.

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:

MYL4 is a hexameric ATPase cellular motor protein which is composed of two nonphosphorylatable alkali light chains, two heavy chains and two phosphorylatable regulatory light chains. MYL4 encodes a myosin alkali light chain which is located in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein were found for this gene.

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