

Recombinant human MYL6 protein

Catalog Number: ATGP0956

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-151aa

UniProt No.

P60660

NCBI Accession No.

NP_524147.2

Alternative Names

Myosin light polypeptide 6, ESMLC, LC17-GI, LC17-NM, LC17A, LC17B, MLC1SM, MLC3NM, MLC3SM

PRODUCT SPECIFICATION

Molecular Weight

19.1 kDa (171aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Myosin light polypeptide 6 is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain that is expressed in smooth muscle and non-muscle tissues. MYL6 participates in generating the force for cellular movements, thereby playing an important role in overall cellular function. Recombinant human MYL6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MCDFTEDQTA EFKEAFQLFD RTGDGKILYS QCGDVMRALG QNPTNAEVLK
VLGNPKSDEM NVKVLDFEHF LPMLQTVAKN KDQGTIEDYV EGLRVFDKEG NGTVMGAEIR HVLVTLGEM TEEVEMLVA
GHEDSNGCIN YEELVRMVLN G

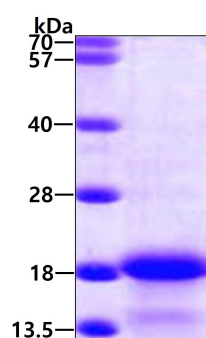
General References

Lenz S., et al. (1989) J Biol Chem. 264:9009-9015.

Komiyama M., et al. (1996) J Cell Sci. 109:2089-2099.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.