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# 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**

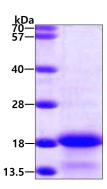
<MGSSHHHHHH SSGLVPRGSH> MCDFTEDQTA EFKEAFQLFD RTGDGKILYS QCGDVMRALG QNPTNAEVLK VLGNPKSDEM NVKVLDFEHF LPMLQTVAKN KDQGTYEDYV EGLRVFDKEG NGTVMGAEIR HVLVTLGEKM TEEEVEMLVA GHEDSNGCIN YEELVRMVLN G

#### **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.

