

AR09896PU-N

Human MYL6 (1-151, His-tag) - Purified

Alternate names:

17 kDa myosin light chain, LC17, MLC-3, Myosin light chain 3, Myosin light chain alkali 3, Myosin light polypeptide 6, Smooth muscle and nonmuscle myosin light chain alkali 6

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P60660](#)

NCBI:

[NP_066299](#)

GenelD:

[4637](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Description:

Recombinant human MYL6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MCDFTEDQTA EFKEAFQLFD RTGDGKILYS QCGDVMRALG
QNPTNAEVLK VLGPNKSDEM NVKVLDFEHF LPMLQTVAKN KDQGTIEDYV EGLRVFDKEG
NGTVMGAEIR HVLVTLGEKM TEEVEMLVA GHEDSNGCIN YEELVRMVLN G

Molecular weight: 19.1 kDa (171aa) confirmed by MALDI-TOF

Storage:

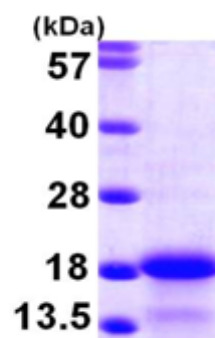
Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

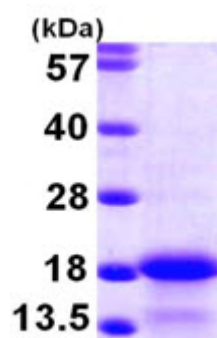
Shelf life: one year from despatch.

Pictures:

Recombinant human MYL6, 1-151 aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)