

Recombinant human MYL4 protein

Catalog Number: ATGP1312

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-197aa

UniProt No.

P12829

NCBI Accession No.

NP_001002841.1

Alternative Names

Myosin light chain 4, Myosin, light chain 4, ALC1, AMLC, GT1

PRODUCT SPECIFICATION

Molecular Weight

22.6 kDa (205aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.15M NaCl

Purity

> 95% 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 chain 4, also known as MYL4, is a hexameric ATPase cellular motor protein. Myosin is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. MYL4 encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. Recombinant human MYL4 protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MAPKKPEPKK EAAKPAPAPA PAPAPAPAPA PEAPKEPAFD PKSVKIDFTA DQIEEFKEAF SLFDRTPTGE MKITYGQCGD
VLRALGQNPT NAEVLRVLGK PKPEEMNVKM LDFETFLPIL QHISRNKEQG TYEDFVEGLR VFDKESNGTV MGAELRHVLA
TLGKEMTEAE VEQLLAGQED ANGCINYEAF VKHIMSG<LEH HHHHH>

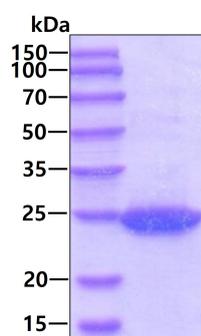
General References

Cohen Haguenaer O., et al. (1989) Hum Genet. 81:278-282.

Barton P J., et al. (1985) Biochem J. 231:249-261.

DATA

SDS-PAGE



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