

Recombinant human MYL7 protein

Catalog Number: ATGP1550

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-175aa

UniProt No.

Q01449

NCBI Accession No.

NP_067046

Alternative Names

Myosin regulatory light chain 2, MYL2A, MYLC2A

PRODUCT SPECIFICATION

Molecular Weight

22.0 kDa (199aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

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

MYL7 protein is a atrial isoform of myosin regulatory light chain 2 (MYL2). Myosin is an hexamer of 2 heavy chains and 4 light chains. MYL7 is predominantly expressed in adult atrial muscle. Recombinant human MYL7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MASRKA GTRGKVAATK QAQRGSSNVF SMFEQAQIQE FKEAFSCIDQ

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NRDGIICKAD LRETYSQLGK VSVPEEELDA MLQEGKGPIIN FTVFLTLFGE KLNGTDPEEA ILSAFRMFDP SGKGVVVKDE
FKQLLLTQAD KFSPAEEVEQM FALTPMDLAG NIDYKSLCYI ITHGDEKEE

General References

Hailstones D.L., et al. (1992) J. Biol. Chem. 267:23295-23300

Ota T., et al. (2004) Nat. Genet. 36:40-45

DATA

SDS-PAGE

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

