

AR50137PU-N**Human MYL4 (1-197, His-tag) - Purified****Alternate names:**

GT-1 isoform, MLC1, Myosin light chain 1, Myosin light chain 4, Myosin light chain alkali, PRO1957, embryonic muscle/atrial isoform

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P12829](#)**NCBI:**[NP_001002841](#)**GeneID:**[4635](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.15M NaCl**Description:**

Recombinant human MYL4 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MAPKKPEPKK EAAKPAPAPA PAPAPAPAPA PEAPKEPAPD PKSVKIDFTA DQIEEFKEAF
SLFDRTPTGE MKITYGQCGD VLRALGQNPT NAEVLRVLGK PKPEEMNVKM LDFETFLPIL
QHISRNKEQG TYEDFVEGLR VFDKESNGTV MGAELRHVLA TLGKEMTEAE VEQLLAGQED
ANGCINYEAF VKHIMSGLEH HHHHH

Molecular weight: 22.6 kDa (205aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Cohen Haguenaer O., et al. (1989) Hum Genet. 81:278-282. Barton P J., et al. (1985) Biochem J. 231:249-261.

Pictures:

