

**MYL4, 1-197aa, Human, His tag, E.coli**

**Cat.NO.: TP03063**

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3th Edition

**Synonyms:**Myosin, light chain 4, ALC1, AMLC, GT1.

**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.

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

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

**Sequences:**

MAPKKPEPKKEAAKPAPAPAPAPAPAPAPEAPKEPAFDPKSVKIDFTADQIEEFKEAFSLFDRTPTGEMKITYGQ  
CGDVLRALGQNPTNAEVLRLVGLGPKPEEMNVKMLDFETFLPILQHISRNKEQGTYEDFVEGLRVFDKESNGTVMGA  
ELRHVLATLGEKMTEAEVEQLLAGQEDANGCINYEAFVKHIMSGLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.