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## Product Data Sheet

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Product Name: MYL4 Human  
 Cat. No.: GP23985  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myosin light chain 4 alkali atrial embryonic; ALC1; AMLC; GT1; Myosin light chain 1 embryonic muscle/atrial isoform; Myosin light chain alkali GT-1 isoform; PRO1957; MLC1.		
Amino Acid Sequence	MAPKKPEPKK EAAKPAPAPA PAPAPAPAPA PEAPKEPAFD PKSVKIDFTA DQIEEFKEAF SLFDRTPTGE MKITYGQCGD VLRALGQNPT NAEVLRVLGK PKPEEMNVKM LDFETFLPIL QHISRNKEQG TYEDFVEGLR VFDKESNGTV MGAELRHVLA TLGEKMTEAE VEQLLAGQED ANGCINYEAF VKHIMSGLEH HHHHH.		
Formulation	MYL4 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 150mM NaCl, 1mM DTT and 20% glycerol.		

### Introduction

MYL4 is a hexameric ATPase cellular motor protein which is composed of two nonphosphorylatable alkali light chains, two heavy chains and two phosphorylatable regulatory light chains. MYL4 encodes a myosin alkali light chain which is located in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein were found for this gene.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MYL4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-197 a.a.) and having a molecular mass of

**Caution: Product has not been fully validated for medical applications. For research use only.**

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22.6kDa.MYL4 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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