
Product Data Sheet

Product Name: MYL7 Human
 Cat. No.: GP23989
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myosin light chain 7 regulatory; myosin light polypeptide 7 regulatory; Myosin light chain 2a myosin regulatory light chain 2 atrial isoform; MYL2A; MYLC2A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMASRKA GTRGKVAATK QAQRGSSNVF SMFEQAQIQE FKEAFSCIDQ NRDGIICKAD LRETYSQLGK VSVPEEELDA MLQEGKGPIN FTVFLTLFGE KLNGTDPEEA ILSAFRMFDP SGKGVVKNKDE FKQLLLTQAD KFSPAEEVEQM FALTPMDLAG NIDYKSLCYI ITHGDEKEE		
Formulation	The MYL7 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.		

Introduction

MYL7 protein is an atrial isoform of myosin regulatory light chain 2 (MYL2). Myosin is a hexamer containing 4 light chains and 2 heavy chains. MYL7 is mainly expressed in adult atrial muscle.

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

MYL7 Human Recombinant produced in E. coli is a single polypeptide chain containing 199 amino acids (1-175) and having a molecular mass of 22.0kDa. MYL7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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