
Product Data Sheet

Product Name: MYL12A Human
 Cat. No.: GP23982
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myosin regulatory light chain 12A; MLC-2B; Myosin RLC; Myosin regulatory light chain 2 nonsarcomeric; Myosin regulatory light chain MRLC3; MYL12A; MLCB; MRLC3; RLC; MRCL3; MYL2B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMSSKRT KTKTKKRPQR ATSNVFAMFD QSQIQEFKEA FNMIDQNRDG FIDKEDLHDM LASLGKNPTD EYLDAMMNEA PGPINFTMFL TMFGEKLNLT DPEDVIRNAF ACFDEEATGT IQEDYLRELL TTMGDRFTDE EVDELYREAP IDKKGNFNYI EFTRILKHGA KDKDD.		
Formulation	MYL12A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.		

Introduction

Myosin regulatory light chain 12A (MYL12A) has a vital role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. The MYL12A protein is involved in cytokinesis, receptor capping, and cell locomotion.

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

MYL12A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids (1-171 a.a.) and having a molecular mass of 22.4kDa. MYL12A 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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