



Recombinant Human MYL1 Protein Product Manual

1. Product Basic Information

Product No.: REP07540

Protein Name: A1 Catalytic (MYL1)

Aliases: MLC1; MLC-MLC1F; MLC3F; CMYO14; CMYP14; MLC1/MYOFTA; MLC1/MLC3; MLC1F/MLC3F; A1 catalytic; A2 catalytic; myosin light chain myosin light chain A1/A2; skeletal, fast; myosin light chain 1/3, skeletal m...

UniProt ID: P05976

UniProt Link: <https://www.uniprot.org/uniprotkb/P05976/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform MLC3 (1-150aa)

Molecular Weight: 43.7kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-150aa)

MSFSADQIAEFKEAFLFDRTGDSKITLSQVGDVLRALGTNPTNAEVRKVLGNPSNE
ELNAKKIEFEQFLPMMQAISNNKDQATYEDFVEGLRVFDKEGNGTVMGAELRHVLA
TLGEKMKEEEVEALMAGQEDSNGCINYEAFVKHIMSI

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause

5. Product Description

This product is a recombinant Human MYL1 full length of isoform mlc3 protein (1-150aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. MYL1, also known as MLC1 or MLC-MLC1F or MLC3F, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.