



Recombinant Human MLC1 Protein Product Manual

1. Product Basic Information

Product No.: REP07463

Protein Name: Membrane Protein Mlc1 (MLC1)

Aliases: VL; LVM; MLC; membrane protein MLC1

UniProt ID: Q15049

UniProt Link: <https://www.uniprot.org/uniprotkb/Q15049/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length (1-377aa)

Molecular Weight: 42.6 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (1-377aa)

MTQEPFREELAYDRMPTLERGRQDPASYAPDAKPSDLQLSKRLPPCFSHKTWVFS
VLMGSCLLVTSGFSLYLGNVFPAMDYLCAAGSCIPSAIVSFTVSRNANVIPNFQI
LFVSTFAVTTTCLIWFGCKLVLPNSAININFNLLLLLELLMAATVIAARSSEEDCKKK
KGSMSDSANILDEVPPARVLKSYSVVEVIAGISAVLGGIILNVDDSVSGPHLSVTF
FWILVACFPSAIAHVAAECPSKCLVEVLIAISSLTSPLLFTASGYLSFSIMRIVEMFKD
YPPAIKPSYDVLLLLLLLLVLLLQAGLNTGTAIQCVRFKVSARLQGASWDTQNGPQER
LAGEVARSPLEKFDKEKAWRAVVVQMAQ

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: Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4.

4. Storage Conditions



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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 protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MLC1 full length protein (1-377aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. MLC1, also known as VL or LVM or MLC, 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.