



Recombinant Mouse LPL Protein Product Manual

1. Product Basic Information

Product No.: REP07376

Protein Name: Phospholipase A1 (LPL)

Aliases: LIPD; HDLCQ11; phospholipase A1; lipoprotein lipase

UniProt ID: P06858

UniProt Link: <https://www.uniprot.org/uniprotkb/P06858/entry>

Species Source: Mus musculus (Mouse)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (28-474aa)

Molecular Weight: 55.3 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (28-474aa)

ADAGRDFSDIESKFALRTPEDTAEDTCHLIPGLADSVSNCHFNHSSKTFVVIHGWTV
TGMYESWVPKLVAALYKREPDSNVIVVDWLYRAQQHYVPSAGYTKLVGNDVARFI
NWMEEEFNYPDLNVHLLGYSLGAHAAGVAGSLTNKKVNRITGLDPAGPNFEYAEA
PSRLSPDDADFVDVLHTFTRGSPGRSIGIQKPVGHVDIYPNGGTFQPGCNIGEAIRVI
AERGLGDVDQLVKCSHERSIHLFIDSLLNEENPSKAYRCNSKEAFEKGLCLSCRKN
RCNNLGYEINKVRAKRSSKMYLKTRSQMPYKVFHYQVKIHFSGTEDGKQHNQAFEI
SLYGTVAESENIPFTLPEVSTNKTYSFLLIYTEVDIGELMMKLKWISDSYFSWPDWW
SSPSFVIERIRVKAGETQKKVIFCAREKVSHLQKGKDSAVFVKCHDKSLKKSG

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 protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse LPL full length of mature protein protein (28-474aa) expressed in Mammalian cell. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. LPL, also known as LIPD or HDLCQ11 or phospholipase A1, 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.