



Recombinant *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PR LIPC Protein Product Manual

1. Product Basic Information

Product No.: REP07361

Protein Name: Hepatic Lipase (LIPC)

Aliases: HL; HTGL; HDLCQ12; hepatic lipase; lipase member lipase, hepatic; phospholipase A1; lysophospholipase; Triacylglycerol lipase; lipase C, hepatic type; hepatic triacylglycerol lipase

UniProt ID: P11150

UniProt Link: <https://www.uniprot.org/uniprotkb/P11150/entry>

Species Source: *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PR

Expression System: E.coli

Protein Length: Full Length of Mature Protein (24-309aa)

Molecular Weight: 36.9 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (24-309aa)

ATDYTRTRYPIVLSHGLFGFKSVGPVDYWHAIKPALEKDGAKVFATSQSPVNSNEV
RGEQLLAQVEEVLTALGAKEVNLIGHSSQGGMTVRYVAGVAPQLVASVTTMGTPHK
GTPVADAVTGFSEFLGPIGTEVIASAVEALFSVVDIVDGGGEWVKGDALAALNSLNT
GTARFNQRFPAIPASACGQGAETVAGVRYYSMSGTGSLTNALDPSSAGLAVTGL
LFGEANDGLVGQCSSLGSLVSKDNYRMDHLDEVNQLLGLVSLFESDPTQVYRQHA
NRLRNVL



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 *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PR LIPC full length of mature protein protein (24-309aa) expressed in *E.coli*. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. LIPC, also known as HL or HTGL or HDLCQ12, 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.