



Recombinant Rat LIPA Protein

Product Manual

1. Product Basic Information

Product No.: REP07360

Protein Name: Sterol Esterase (LIPA)

Aliases: LAL; CESD; sterol esterase; cholesteryl esterase; diacylglycerol lipase; lysosomal acid lipase; triacylglycerol lipase; cholesterol ester hydrolase; lipase A, lysosomal acid type; triacylglycerol este...

UniProt ID: P38571

UniProt Link: <https://www.uniprot.org/uniprotkb/P38571/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: Baculovirus

Protein Length: Full Length of Mature Protein (26-397aa)

Molecular Weight: 45.2 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (26-397aa)

AVDPEANMNVTEIIMHWGYPEHSVQTGDGYILGVHRIPHGRKNQFDKGPKPVVYLQ
WRHGFLADSSNWVTNIDNNSLGFILADAGFDVWMGNSRGNTWSRKHKTL SVSQD
EYWAFSFDMAKYDLPASINYILNKTGQEQLYNVGHSQGCTIGFIAFSQMPELAKKV
KMFFALAPVLSLNFASGPMVKLGRLPDLLLEDLFGQKQFLPQSAMVKWLSTHICTH
VIMKELCANIFFLICGFNEKNLNMSRVDVYTTTHCPAGTSVQNMVHWTQVVKYHKLQ
AFDWGSSDKNYFHYNQSYPPLYSIKDMQLPTALWSGGKDWLADTSDINILLTEIPTL
VYHKNIPEWDHLDFIWGLDAPWRLYNEVVSLMKKYQ

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 Rat LIPA full length of mature protein protein (26-397aa) expressed in Baculovirus. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. LIPA, also known as LAL or CESD or sterol esterase, 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.