Recombinant human LIPG protein

Catalog Number: ATGP2626

PRODUCT INFORMATION

Expression system
E.coli

Domain
21-340aa

UniProt No.
Q9Y5X9

NCBI Accession No.
NP_006024

Alternative Names
Endothelial lipase precursor, Endothelial lipase precursor, Lipase, endothelial, EDL, EL, PRO719

PRODUCT SPECIFICATION

Molecular Weight
38.0 kDa (343aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
LIPG has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. Recombinant human LIPG protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence
MGSSHHHHHH SSGLVPRGSH MGSSPVPFGP EGRLEDKLHK PKATQTEVKP SVRFNLRTSK DPEHEGCYLS VGHSQPLEDC

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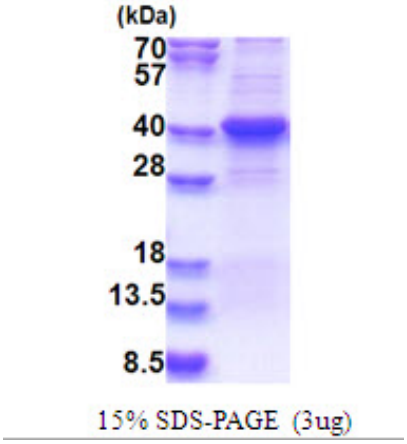
SFNMTAKTFF IIHGWTMSGI FENWLHKLVS ALHTREKDAN VVVVDWLPLA HQLYTDAVNN TRVVGHSIAR MLDWLQEKDD FSLGNVHLIG YSLGAHVAGY AGNFVKGTVG RITGLDPAGP MFEGADIHKR LSPDDADFVD VLHTYTRSFG LSIGIQMPVG HIDIYPNGGD FQPGCGLNDV LGSIAYGTIT EVVKCEHERA VHLFVDSLVN QDKPSFAFQC TDSNRFKKGI CLSCRKNRCN SIGYNAKKMR NKRNSKMYLK TRA

General References

Hirata K., et al. (1999) J. Biol. Chem. 274:14170-14175.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.