

Recombinant Human LIPG, His-tagged

Cat. No. LIPG-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LIPG, 21-340aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	21-340aa
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 .
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	38.0 kDa (343aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSVPVFGP EGRLEDKLHK PKATQTEVKP SVRFNLRTSK DPEHEGCYLS VGHSQPLEDC SFNMTAKTFF IIHGWTMSGI FENWLHKLVS ALHTREKDAN VVVVDWLPLA HQLYTDVNN TRVVGHSIAR MLDWLQEKDD FSLGNVHLIG YSLGAHVAGY AGNFVKGTVG RITGLDPAGP MFEGADIHKR LSPDDADFVD VLHTYTRSGF LSIGIQMPVG HIDIYPNGGD FQPGCGLNDV LGSIAYGIT EVVKCEHERA VHLFVDSLNV QDKPSFAFQC TDSNRFKKGI CLSCRKNRCN SIGYNAKKMR NKRNSKMYLK TRA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>85 % by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	LIPG lipase, endothelial [Homo sapiens]
Official Symbol	LIPG
Synonyms	LIPG; lipase, endothelial; endothelial lipase; EDL; lipoprotein lipase H; endothelial cell-derived lipase; EL; PRO719;
Gene ID	9388
mRNA Refseq	NM_006033
Protein Refseq	NP_006024
MIM	603684
UniProt ID	Q9Y5X9
Chromosome Location	18q21.1
Pathway	Acylglycerol degradation, organism-specific biosystem; Acylglycerol degradation, conserved biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Metabolic pathways, organism-

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	specific biosystem; triacylglycerol degradation, organism-specific biosystem;
Function	heparin binding; hydrolase activity; lipoprotein lipase activity; phosphatidylcholine 1-acylhydrolase activity; phospholipase activity; retinyl-palmitate esterase activity; triglyceride lipase activity;