

Recombinant Human LIPG Protein, His-tagged

Cat. No. LIPG-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LIPG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (21-340) and having a molecular mass of 38 kDa. LIPG is fused to a 23 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	21-340
Description	The protein encoded by this gene 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.
Form	Sterile Filtered clear solution.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSSPVFPFGPEGRLEDKLHKPKATQTEVKPSVRFN LRTSKDPEHEGCGYLSVGHSQPLEDCSFNMTAKTFFIIHGWTMSGIFENWLHKLVSAL HTREKDANVVVDWLPLAHQLYTDVNNTRVVGHSIARMLDWLQEKDDFSLGNVH LIGYSLGAHVAGYAGNFVKGTVGRITGLDPAGPMFEGADIIHKRLSPDDADFVDVLHT YTRSFGLSIGIQMPVGHIDIYPNGGDFQPGCGLNDVLGSIAYGTITEVVKCEHERAVH LFVDSL VNQDKPSFAFQCTDSNRFKKGICLSCRKNRCNSIGYNAKKMRNKRNSKMY LKTRA.

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Purity	Greater than 85% as determined by SDS-PAGE.
Usage	Our products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Concentration	1 mg/mL
Storage Buffer	20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Shipping	Ice Packs

GENE INFORMATION

Gene Name	LIPG lipase G, endothelial type [Homo sapiens (human)]
Official Symbol	LIPG
Synonyms	LIPG; lipase G, endothelial type; EL; EDL; PRO719; endothelial lipase; endothelial cell-derived lipase; lipase, endothelial; lipoprotein lipase H; phospholipase A1; EC 3.1.1.3; EC 3.1.1.32
Gene ID	9388
mRNA Refseq	NM_006033
Protein Refseq	NP_006024

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MIM	603684
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UniProt ID	Q9Y5X9
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