

Recombinant Human LIPG Protein, His-tagged

Cat. No. LIPG-45H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIPG(Ser21–Pro500) fused with N-terminal linker (2 extra AA), C-terminal linker (2 extra AA) and C-terminal His-tag (6 extra AA) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser21–Pro500
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	Filtered (0.4 µm) and lyophilized in phosphate buffered saline pH=7.5 (PBS), 1% (w/v) Sucrose, 4% (w/v) Mannitol
Molecular Mass	55.8 kDa (calculated)
AA Sequence	ASSPVPGPEGRLEDKLHKPKATQTEVKPSVRFNLRTSKDPEHEGCVLSVGHSQPL EDCSFNMTAKTFFIIHGWMSGIFENWLHKLVSALHTREKDANVVVDWLPLAHQLY TDAVNNTRVVGHSIARMLDWLQEKKDDFSLGNVHLIGYSLGAHVAGYAGNFVKGTVG RITGLDPAGPMFEGADIIHKRLSPDDADFVDVLHTYTRSFGLSIGIQMPVGHIDIYPNG GDFQPGCGLNDVLGSIAYGTITEVVKCEHERAVHLFVDSLVDKPSFAFQCTDSN

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RFKKGICLSCRKNRCNSIGYNAKKMRNKRNSKMYLKTRAGMPFRVYHYQMkihVFS
YKNMGEIEPTFYVTLYGTNADSQTLPLEIVERIEQNATNTFLVYTEEDLGDLLKIQLTW
EGASQSWYNLWKEFRSYLSQPRNPGRELNIRRIKVKSGETQRKLTFC TEDPENTSIS
PGRELWFRKCRDGWRMKNETSPTVELPKLHHHHHH

Endotoxin

< 1.0 EU/ug

Purity

Purity as determined by densitometric image analysis: > 85 %

Applications

ELISA, Cell culture and/or animal studies

Storage

Store the lyophilized protein at –80 centigrade. Lyophilized protein remains stable until the expiry date when stored at –80 centigrade. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80 centigrade for long term storage. Reconstituted protein can be stored at 4 centigrade for a week.

Reconstitution

Add 200 µof deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

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

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mRNA Refseq	NM_006033
Protein Refseq	NP_006024
MIM	603684
UniProt ID	Q9Y5X9

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