

Recombinant Human Lipase, Endothelial, His-tagged

Cat. No. LIPG-907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Lipase, Endothelial encoding the human Endothelial Lipase (Met ¹ -Pro ⁵⁰⁰) with 6 His tag on the N-Terminus was expressed in <i>E. Coli</i> . This protein was purified by Ni-NTA column. MW=64KD.
Species	Human
Source	E.coli
ProteinLength	1-500 a.a.
Description	Endothelial lipase is a form of lipase secreted by the endothelial cells. Endothelial lipase 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.
Sequence	Human Endothelial Lipase (Met ¹ -Pro ⁵⁰⁰). MSNSVPLLCF WSLCYCFAAG SPVPFGP EGR LEDKLHKPKA TQTEVKPSVR FNLRTSKDPE HEGCYLSVGH SQPLEDCSFN MTAKTFFIIH GWTMSGIFEN WLHKLVSALH TREKDANVVV VDWLPLAHQL YTDV NNTRV VGHSIARMLD WLQEKKDDFSL GNVHLIGYSL GAHVAGYAGN FVKGTVGRI T GLDPAGPMFE GADIIKRLSP DDADFVDVLH TYTRSFGLSI GIQMPVGHID IYPN GGDFQP GCGLNDVLGS IAYGTITEVV KCEHERAVHL FVDSL VNQDK PSFAFQCT DS NRFKKGICLS CRKNRCNSIG YNAKKMRNKR NSKMYLKTRA GMPFRVYHYQ M KIHVFSYKN MGEIEPTFYV TLYGTNADSQ TLPLEIVERI EQNATNTFLV YTEEDLGD

 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

LL KIQLTWEGAS QSWYNLWKEF RSYLSQPRNP GRELNIRRIR VKSGETQRKL TF
CTEDPENT SISPGRELWF RKCRDGWRMK NETSPTVELP.

Purity

>95% in SDS gel.

Formulation

Lyophilized 100 µg protein in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.

Reconstitution

Add 500 µl deionized water to the vial to prepare a working stock solution at 200 µg/mL. Allow to set at least 30 minutes at 4 °C, mix well.

Application

Cell biology, ELISA.

Storage

Store lyophilized protein at -20°C to -70°C. Lyophilized protein is stable for up to 6 months from date of receipt at - 20°C to -70°C. Upon reconstitution, this protein can be stored at -20°C for up to a few weeks or at -70°C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name

LIPG lipase, endothelial [Homo sapiens]

Synonyms

LIPG; Lipase, Endothelial; EL; EDL; PRO719; Endothelial lipase; EC3.1.1.3; Endothelial cell-derived lipase; endothelial lipase; lipase, endothelial; lipoprotein lipase H

Gene ID

9388

mRNA Refseq

NM_006033

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Protein Refseq	NP_006024
MIM	603684
UniProt ID	Q9Y5X9
Chromosome Location	18q21.1
Pathway	Glycerolipid metabolism; Metabolic pathways
Function	heparin binding; hydrolase activity; lipoprotein lipase activity; phospholipase A1 activity; protein binding; triglyceride lipase activity

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