

## 32-2507: LIPG HEK Recombinant Protein

**Alternative Name :** LIPG,Lipase Endothelial,EDL,EL,Endothelial Cell-Derived Lipase,EC 3.1.1.3,PRO719,Endothelial Lipase,Lipoprotein Lipase H,EC 3.1.1.

### Description

Source : HEK 293. LIPG Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Ser21-Pro500) containing a total of 490 amino acids, having a calculated molecular mass of 55.8kDa. LIPG is fused to a 2 aa N-terminal linker, a 2 aa C-terminal linker and a 6 aa His tag at C-Terminus. Lipase Endothelial (LIPG) has extensive phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. The LIPG protein is considered a member of the TG lipase family through its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. In addition, the LIPG has triglyceride lipase activities. LIPG hydrolyzes HDLs more efficiently than other lipoproteins. LIPG also binds heparin.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	LIPG was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline pH 7.5 (PBS), 1% (w/v) Sucrose and 4% (w/v) Mannitol.
<b>Storage condition :</b>	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
<b>Amino Acid :</b>	ASSPVFGPE GRLEDKLHKP KATQTEVKPS VRFNLRTSKD PEHEGCYLSV GHSQPLEDCS FNMTAKTFFI IHGWTMSGIF ENWLHKLVSA LHTREKDANV VVDWLPLAH QLYTDAVNNT RVVGHSIARM LDWLQEKDDF SLGNVHLIGY SLGAHVAGYA GNFVKGTVGR ITGLDPAGPM FEGADIIHKRL SPDDADFVDV LHTYTRSFGL SIGIQMPVGH IDIYPNGGDF QPGCGLNDVL GSIAYGTITE VVKCEHERAV HLFVDSL VNQ DKPSFAFQCT DSNRFKKGIC LSCRKNRCNS IGYNACKMRN KRNSKMYLKT RAGMPFRVYH YQMKIHVFSY KNMGEIEPTF YVTLYGTNAD SQTLPLEIVE RIEQNATNTF LVYTEEDLGD LLKIQLTWEG ASQSWYNLWK EFRSYLSQPR NPGRELNIRR IRVKSGETQR KLTFC TEDPE NTSISPGREL WFRKCRDGWR MKNETSPTVE LP KLHHHHHH.

### Application Note

It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. LIPG is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.