

Lipase Endothelial Human Recombinant, HEK

Item Number	rAP-1266
Synonyms	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	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.
Uniprot Accession Number	Q9Y5X9
Amino Acid Sequence	ASSPVVPGPE GRLEDKLHKP KATQTEVKPS VRFNLRTSKD PEHEGCYLSV GHSQPLEDCS FNMTAK-TFFI IHGWTMSGIF ENWLHKLKLSA LHTREKDANV VVDWLPLAH QLYTDAVNNT RVVGHSIARM LDWLQEKDDF SLGNVHLIGY SLGAHVAGYA GNFKVGTVGR ITGLDPAGPM FEGADIIHKRL SPDDAD-FVDV LHTYTRSFGI SIGIQMPVGH IDIYPNGGDF QPGCGLNDVL GSIAYGTITE VVKCEHERAV HLFVDSLNVQ DKPSFAFQCT DSNRFKKGIC LSCRKNRCNS IGYNAKKMRN KRNSKMYLKT RAGMP-FRVYH YQMKIHVFSY KNMGEIEPTF YVTLYGTNAD SQTLPLEIVE RIEQNATNTF LVYTEEDLGD LLKIQLTWEG ASQSWYNLWK EFRSYLSQPR NPGRELNIRR IRVKSGETQR KLTFCTEDPE NTSISPGREL WFRKCRDQWR MKNETSPTVE LP KLHHHHHHH.
Source	HEK 293.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	LIPG was filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline pH 7.5 (PBS), 1% (w/v) Sucrose and 4% (w/v) Mannitol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	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
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**