Endothelial Lipase Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: EL, LIPG, EDL, Endothelial cell-derived lipase

Cat. No.:
RD172173100 (0.1 mg)

Description

Total 490 AA. MW: 55.8 kDa (calculated). UniProtKB acc. No. Q9Y5X9 (Ser21-Pro500). N-terminal linker (2 extra AA), C-terminal linker (2 extra AA) and C-terminal His-tag (6 extra AA). Protein identity confirmed by LC-MS/MS.

Research topic

Cardiovascular disease, Lipoprotein metabolism

Amino Acid Sequence

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ASSPVPFGPE GRLEDKLHKP KATQTEVKPS VRFNLRTSKD PEHEGCYLSV GHSQPLEDCS FNMTAKTFFI IHGWTMSGIF
ENWLHKLVSA LHTREKDANV VVVDWLPLAH QLYTDAVNNT RVVGHSIARM LDWLQEKDDF SLGNVHLIGY SLGAHVAGYA
GNFVKGTVGR ITGLDPAGPM FEGADIHKRL SPDDADFVDV LHTYTRSFGL SIGIQMPVGH IDIYPNGGDF QPGCGLNDVL
GSIAYGTITE VVKCEHERAV HLFVDSLVNQ DKPSFAFQCT DSNRFKKGIC LSCRKNRCNS IGYNAKKMRN KRNSKMYLKT
RAGMPFRVYH YQMKIHVFSY KNMGEIEPTF YVTLYGTNAD SQTLPLEIVE RIEQNATNTF LVYTEEDLGD LLKIQLTWEG
ASQSWYNLWK EFRSYLSQPR NPGRELNIRR IRVKSGETQR KLTFCTEDPE NTSISPGREL WFRKCRDGWR MKNETSPTVE LP
KLHHHHHH
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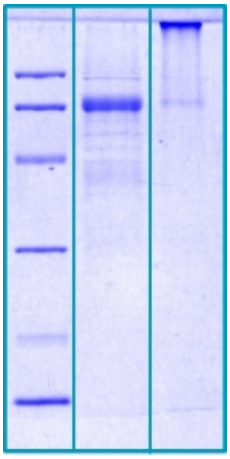
Source

HEK293

Purity

Purity as determined by densitometric image analysis: > 85 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human Endothelial lipase:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized in phosphate buffered saline pH=7.5 (PBS), 1% (w/v) Sucrose, 4% (w/v) Mannitol

Reconstitution

Add 200 µl of 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.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

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

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA

Note

This product is intended for research use only.

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