

## PRODUCT DATA SHEET

### Lipoprotein Lipase Human HEK293

**Cat. No.:** RD172131100-HEK

**Size:** 0.1 mg

**Source:** HEK293

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

LPL, LIPD

**Description:**

Total 461 AA. MW: 51.8 kDa (calculated). N-Terminal Flag-tag, 13 extra AA. Uniprot P06858 Ala28 to Gly475, variant Asn > Ser318.

**Amino Acid Sequence:**

HVDYKDDDDK PAGADQRRDF IDIESKFALR TPEDTAEDTC HLIPGVAESV ATCHFNSHSSK  
TFMVIHGWTV TGMYESWVPK LVAALYKREP DSNVIVVDWL SRAQEHYPVS AGYTKLVGQD  
VARFINWME EFNYP LDNVH LLGYS LGAHA AGIAGSLTNK KVN RITGLDP AGPNFEYAEA  
PSRLSPDDAD FVDVLHTFTR GSPGRSIGIQ KPVGHVDIYP NGGTFQPGCN IGEAIRVIAE  
RGLGDVDQLV KCSHERSIHL FIDSL LNEEN PSKAYRCSSK EAFEKGLCLS CRKNRCNNLG  
YEISKVRAKR SSKMYLKTRS QMPYKVFHYQ VKIHFSGTES ETH TNQAF EI SLYGTVAESE  
NIPFTLPEVS TNKTY SFLIY TEVDIGELLM LK LKWKSDSY FSWSDWSSP GF AIQKIRVK  
AGETQKKVIF CSREK VSHLQ KGKAPAVFVK CHDKSLNKKS G

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 50mM NaCl, pH 7.5

**Reconstitution:**

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

**Shipping:**

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

**Storage/Stability:**

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:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.