

Recombinant Lipoprotein lipase (LPL) Instruction Manual

SIPA648Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	54.1kDa
Accurate Molecular Mass	54kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala28~Gly475 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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ADQ RRDFIDIESK FALRTPEDTA
EDTCHLIPGV AESVATCHFN HSSKTFMVIH GWTVTGMYES WVPKLVAALY
KREPDSNVIV VDWLSRAQEH YPVSAGYTKL VGQDVARFIN WMEEEFNYP
DNVHLLGYSL GAHAAGIAGS LTNKKVNRIT GLDPAGPNFE YAEAPSRLSP
DDADFVDVLH TFTRGSPGRS IGIQKPVGHV DIYPNGGTFQ PGCNIGEAIR
VIAERGLGDV DQLVKCSHER SIHLFIDSLL NEENPSKAYR CSSKEAFEKG
LCLSCRKNRC NNLGYEINKV RAKRSSKMYL KTRSQMPYKV FHYQVKIHFS
GTESEHTNQ AFEISLYGTV AESENIPFTL PEVSTNKTYS FLIYTEVDIG
ELLMLKWKW SDSYFSWSDW WSSPGFAIQK IRVKAGETQK KVIFCSREKV
SHLQK GKAPA VFVKCHDKSL NKKSG
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image



Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.