Recombinant Lipoprotein lipase (LPL) Instruction Manual

SIPA648Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	53.9kDa
Accurate Molecular Mass	54kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala28~Gly474 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                          ADG  GRDFSDIESK  FALRTPEDTA
EDTCHLIPGL  ADSVSNCHFN  HSSKTFVVIH  GWTVTGMYES  WVPKLVAALY
KREPDSNVIV  VDWLYRAQQH  YPVSAGYTKL  VGNDVARFIN  WLEEEFNYPL
DNVHLLGYSL  GAHAAGVAGS  LTNKKVNRIT  GLDPAGPNFE  YAEAPSRLSP
DDADFVDVLH  TFTRGSPGRS  IGIQKPVGHV  DIYPNGGTFQ  PGCNIGEAIR
VIAEKGLGDV  DQLVKCSHER  SIHLFIDSLL  NEENPSKAYR  CNSKEAFEKG
LCLSCRKNRC  NNVGYEINKV  RAKRSSKMYL  KTRSQMPYKV  FHYQVKIHFS
GTENDKQNNQ  AFEISLYGTV  AESENIPFTL  PEVATNKTYS  FLIYTEVDIG
ELLMMKLKWK  NDSYFRWSDW  WSSPSFVIEK  IRVKAGETQK  KVIFCAREKV
SHLQKGKDAA  VFVKCHDKSL  KKSG
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 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.
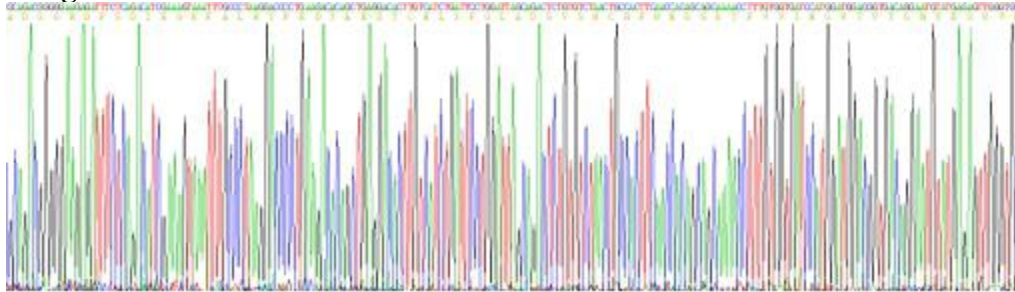
Image

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.