

RPA386Ra01 100µg

Recombinant Lipase, Lipoprotein (LIPD)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ala28~Gly474

Tags: N-terminal His-Tag

Subcellular Location: Cell membrane; Lipid-anchor. GPI-anchor. Secreted.

Purity: >85%

Traits: Freeze-dried powder

Buffer formulation: 100mM NaHCO₃, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 8.2

Predicted Molecular Mass: 53.9kDa

Accurate Molecular Mass: 54kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[SEQUENCE]

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                                ADG GRDFSDIESK FALRTPEDTA
EDTCHLIPGL ADSVSNCHFN HSSKTFVVIH GWTVTGMYES WPKLVAALY
KREPDSNVIV VDWLYRAQQH YPVSAGYTKL VGNDVARFIN WLEEEFNYP L
DNVHLLGYSL GAHAAGVAGS LTNKKVN RIT GLDPAGPNFE YAEAPSRLSP
DDADFVDVLH TFTRGSPGRS IGIQKPVGHV DIYPNGGTFQ PGCNIGEAIR
VIAEKGLGDV DQLVKCSHER SIHLFIDSLL NEENPSKAYR CNSKEAFEKG
LCLSCRKNRC NNVGYEINKV RAKRSSKMYL KTRSQMPYKV FHYQVKIHFS
GTENDKQNNQ AFEISLYGTV AESENIPFTL PEVATNK TYS FLIYTEVDIG
ELLMMLKWKW NDSYFRWSDW WSSPSFVIEK IRVKAGETQK KVIFCAREKV
SHLQKGDAA VFKCHKDKSL KKSG
  
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[IDENTIFICATION]

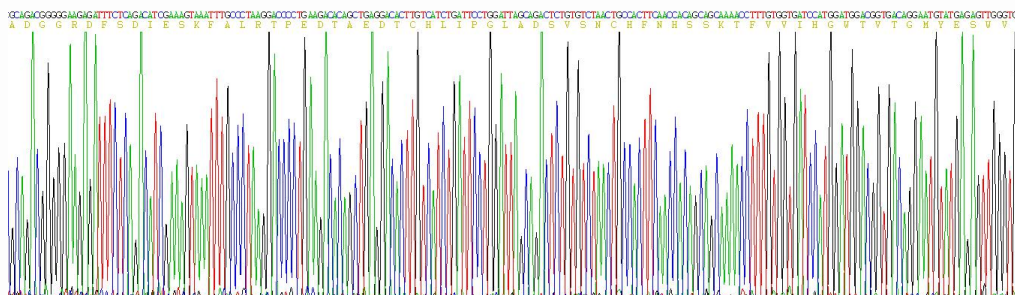


Figure 1. Gene Sequencing (Extract)

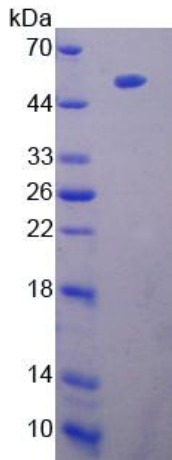


Figure 2. SDS-PAGE