Recombinant Cat Lipoprotein lipase (LPL)

Product Code	CSB-YP013065CA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P55031
Product Type	Recombinant Protein
Immunogen Species	Felis catus (Cat) (Felis silvestris catus)
Purity	>85% (SDS-PAGE)
Sequence	WVAADDR ITGGRDFIDI ESKFALRTPE DIAEDTCHLI PGVTESVANC HFNHTSKTFV VIHGWTVTGM YESWVPKLVA APYKREPDSN VIVVDWLSRA QQHYPVSAGY TKLVGKDVAK FINWMAEEFH YPLDNVHLLG YSLGAHAAGI AGSLTNKKVN RITGLDPAGP NFEYAEAPSR LSPDDADFVD VLHTFTRGSP GRSIGIQKPV GHVDIYPNGG TFQPGCNIGE AIRVIAERGL GDVDQLVKCS HERSIHLFID SLLNEENPSK AYRCNSKEAF EKGLCLSCRK NRCNNLGYEI NKVRAKRSSK MYLKTRSQMP YKVFHYQVKI HFSGTESDTQ TNQVFEISLY GTVAESENIP FTLPEISANK TYSFLIYTEV DIGELLMLKL KWKSDSYFSW SDWWSSPGFT IEKIRVKAGE TQKKVIFCSR EKVSHLQKGK ASVVFVKCHD KSLNKKSG
Source	Yeast
Target Names	LPL
Protein Names	Recommended name: Lipoprotein lipase Short name= LPL EC= 3.1.1.34
Expression Region	24-478
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	LPL encodes lipoprotein lipase, which is expressed in heart, muscle, and adipose tissue. LPL functions as a homodimer, and has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake. Severe mutations that cause LPL deficiency result in type I hyperlipoproteinemia, while less extreme mutations in LPL are linked to many disorders of lipoprotein metabolism.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.