



Recombinant Pig Pancreatic triacylglycerol lipase (PNLIP)

Product Code	CSB-EP018262PI
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P00591
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	>85% (SDS-PAGE)
Sequence	SEVCFPRLGC FSDDAPWAGI VQRPLKILPW SPKDVDRFL LYTNQNNY QELVADPSTI TNSNFRMDRK TRFIIHGFI KGEEDWLSNI CKNLFKVESV NCICVDWKG SRTGYTQASQ NIRIVGAEVA YFVEVLKSSL GYSPSNVHVI GHSLGSHAAG EAGRRTNGTI ERITGLDPAE PCFQGTPELV RLDPSDAKFV DVIHTDAAPI IPNLGFGMSQ TVGHLDFFPN GGKQMPGCQK NILSQVIDID GIWEGTRDFV ACNHLRSYKY YADSILNPDG FAGFPCDSYN VFTANKCFPC PSEGCPQMGH YADRFPGKTN GVSQVFLNT GDASNFRWR YKVSVTLSGK KVTGHILVSL FGNEGNSRQY EIYKGTLPD NTHSDEFDSD VEVGDLQVKV FIWYNNNVIN PTLPRVGASK IVERNDGKV YDFCSQETVR EEVLLTLNPC
Source	E.coli
Target Names	PNLIP
Protein Names	Recommended name: Pancreatic triacylglycerol lipase Short name= PL Short name= PTL Short name= Pancreatic lipase EC= 3.1.1.3
Expression Region	1-450
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 protein
Target Details	This gene is a member of the lipase gene family. It encodes a carboxyl esterase that hydrolyzes insoluble, emulsified triglycerides, and is essential for the efficient digestion of dietary fats. This gene is expressed specifically in the pancreas.
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.