

PNLIP recombinant protein

Recombinant Human PNLIP Protein (His tag)

CATALOG #
AAA173527

HOST
HEK293 Cells

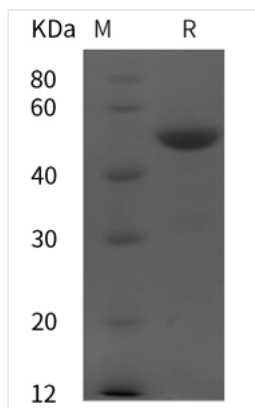
PRODUCT SYNONYMS

PNLIP; Recombinant Human PNLIP Protein (His tag); Pancreatic triacylglycerol lipase; PL (PTL) (Pancreatic lipase) (EC 3.1.1.3); PNLIP recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4
Sequence	Met1-Cys46 5
Sequence Length	465
Species	Human
Tag	C-His
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein is stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 2 to 8°C for 2 to 7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PNLIP recombinant protein	Description: PNLIP is an enzyme which belongs to the lipase family. Secreted from the pancreas, PNLIP is the primary lipase that hydrolyzes dietary fat molecules in the human digestive system, converting triglyceride substrates found in ingested oils to monoglycerides and free fatty acids. Bile salts secreted from the liver and stored in gallbladder are released into the duodenum where they coat and emulsify large fat droplets into smaller droplets, thus increasing the overall surface area of the fat, which allows the lipase to break apart the fat more effectively. The resulting monomers (2 free fatty acids and one 2-monoacylglycerol) are then moved by way of peristalsis along the small intestine to be absorbed into the lymphatic system by a specialized vessel called a lacteal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835000
NCBI GeneID	5406
NCBI Accession #	NP_000927.1
NCBI GenBank Nucleotide #	NM_000936.3
UniProt Accession #	P16233; Q5VSQ2
Molecular Weight	Molecular Mass: 51.04 kDa Actual Protein Molecular Mass: 50 kDa
NCBI Official Full Name	pancreatic triacylglycerol lipase
NCBI Official Synonym Full Names	pancreatic lipase
NCBI Official Symbol	PNLIP
NCBI Official Synonym Symbols	PL; PTL; PNLIPD
NCBI Protein Information	pancreatic triacylglycerol lipase
UniProt Protein Name	Pancreatic triacylglycerol lipase
UniProt Gene Name	PNLIP
UniProt Synonym Gene Names	PL; PTL; Pancreatic lipase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.