

Native Human Pancreas Lipase

Cat. No. PNLIP-8205H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Pancreas Lipase was purified from Human Pancreas.
Species	Human
Source	Human Pancreas
Description	Human Pancreatic lipase enzyme is a water-soluble enzyme that catalyzes the hydrolysis of ester bonds in water insoluble, lipid substrates Most lipase(s) act at a specific position on the glycerol backbone of a lipid substrate (A1, A2 or A3).
Form	Lyophilized
Molecular Mass	48 kDa
Unit Definition	One unit will catalyze the hydrolysis of one micromole per minute of 1,2-o-dilauryl-rac-glycero-3-glutaric acid-(6-methylresorufin) ester in the presence of colipase, bile salt, and calcium chloride at 37 °C.
Stability	1 year
Storage	-20 °C

GENE INFORMATION

Gene Name	PNLIP pancreatic lipase [Homo sapiens]
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Official Symbol	PNLIP
Synonyms	PNLIP; pancreatic lipase; pancreatic triacylglycerol lipase; triacylglycerol acylhydrolase; PL; PTL; PNLIPD;
Gene ID	5406
mRNA Refseq	NM_000936
Protein Refseq	NP_000927
MIM	246600
UniProt ID	P16233
Chromosome Location	10q25.3
Pathway	Acylglycerol degradation, organism-specific biosystem; Acylglycerol degradation, conserved biosystem; Digestion of dietary lipid, organism-specific biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem;
Function	hydrolase activity; retinyl-palmitate esterase activity; triglyceride lipase activity;