

Native Porcine Pancreatic Lipase

Cat. No. PNLIP-1175P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native porcine PNLIP was expressed in Porcine Pancreas. Its molecular weight is 48000 Dalton.
Species	Porcine
Source	Porcine Pancreas
Description	PNLIP is a carboxylesterase that hydrolyzes insoluble, emulsified triglycerides, and is essential for the efficient digestion of dietary fats. PNLIP is secreted into the duodenum through the duct system of the pancreas. Normally, its serum level is very low and as such, increased PL serum levels is used to diagnose pancreatitis or pancreatic adenocarcinoma.
Form	Lyophilized
Specific Activity	Typically >65U/mg powder 37°C
Contaminants	Typically less than 2% amylase
Molecular Weight	48 kDa
Unit Definition	One unit will catalyze the liberation of one micromole of fatty acid per minute at 37°C.
Storage	Store at -20°C. 3 years.

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OfficialSymbol PNLIP

Pathways Acylglyceroldegradation; Fat digestion and absorption; Glycerolipid metabolism; Metabolicpathways; Pancreatic secretion; Vitamin digestion and absorption

GENE INFORMATION

Gene Name PNLIP pancreatic lipase [Susscrofa]

Synonyms PNLIP; pancreaticlipase; PL

Gene ID 100157809

mRNA Refseq NM_001177912

Protein Refseq NP_001171383

Chromosome Location 14; 14

Cartoon diagram ofhuman pancreatic lipase (colored by secondary structure: alpha helices inred, beta sheets in yellow, and random coil in green) in complex with pigcolipase (colored blue) and a small molecule inhibitor



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