

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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