

Recombinant Human PNLIP

Cat. No. PNLIP-30776TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Pancreatic Lipase with N terminal proprietary tag; Predicted MWt 77.22 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	465 amino acids
Description	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.
Molecular Weight	77.220kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	MLPLWTLSELLGAVAGKEVCYERLGCFSDDSPWSGITERP LHILPWSPKDVNTRFLL

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acids

YTNENPNNFQEVAADSSSISGSN FKTNRKTRFIIHGFIDKGEENWLANVCKNLFKVE
SVNCIC VDWKGGSRGTGYTQASQNIRIVGAEVAYFVEFLQSAFGYSP SNVHVIGHSL
GAHAAGEAGRRTNGTIGRITGLDPAEPCFQ GTPELVRLDPSDAKFVDVIHTDGAPIV
PNLGFGMSQVVGH LDFFPNGGVEMPGCKKNILSQIVDIDGIWEGTRDFAACNH LR
SYKYYTDSIVNPDGFAGFPCASYNVFTANKCFPCPSGG CPQMGHYADRYPGKTND
VGQKFYLDTGDA SNFARWRYKVS VTL SGKKVTGHILVSLFGNKGNSKQYEIFKGT
LPDSTHS NEFDSVDVVDLQMVKFIWYNNVINPTLPRVGASKIIVET NVGKQFNFC
SPETVREEVLLTLTPC

Sequence

Belongs to the AB hydrolase superfamily. Lipase family. Contains 1 PLAT domain.

Similarities

GENE INFORMATION

Gene Name

PNLIP pancreatic lipase [Homo sapiens]

Official Symbol

PNLIP

Synonyms

PNLIP; pancreatic lipase; pancreatic triacylglycerol lipase;

Gene ID

5406

mRNA Refseq

NM_000936

Protein Refseq

NP_000927

MIM

246600

Uniprot ID

P16233

**Chromosome
Location**

10q25.3

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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;
Function	hydrolase activity; retinyl-palmitate esterase activity; triglyceride lipase activity;

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