

Recombinant Human PNLIP Protein, His-tagged

Cat. No. PNLIP-2603H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PNLIP Protein (Pro245-Cys465) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro245-Cys465
Description	This gene encodes a member of the lipase family of proteins. The encoded enzyme is secreted by the pancreas and hydrolyzes triglycerides in the small intestine, and is essential for the efficient digestion of dietary fats. Inhibition of the encoded enzyme may prevent high-fat diet-induced obesity in mice and result in weight loss in human patients with obesity. Mutations in this gene cause congenital pancreatic lipase deficiency, a rare disorder characterized by steatorrhea.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.2 kDa Accurate Molecular Mass: 30 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PNLIP pancreatic lipase [Homo sapiens (human)]
Official Symbol	PNLIP
Synonyms	PNLIP; pancreatic lipase; PL; PTL; PNLIPD; pancreatic triacylglycerol lipase triacylglycerol acylhydrolase triacylglycerol lipase EC 3.1.1.3
Gene ID	5406
mRNA Refseq	NM_000936

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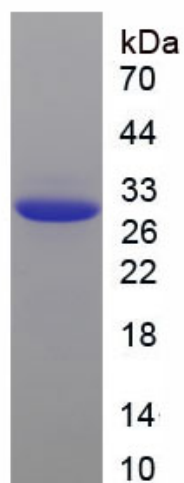
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Protein Refseq	NP_000927
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MIM	246600
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UniProt ID	P16233
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