

## Recombinant Human PNLIP Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PNLIP Protein (Pro245-Cys465) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro245-Cys465
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.2 kDa Accurate Molecular Mass: 30 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 97%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PNLIP pancreatic lipase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">PNLIP</a>
<b>Synonyms</b>	PNLIP; pancreatic lipase; PL; PTL; PNLIPD; pancreatic triacylglycerol lipase triacylglycerol acylhydrolase triacylglycerol lipase EC 3.1.1.3
<b>Gene ID</b>	<a href="#">5406</a>
<b>mRNA Refseq</b>	<a href="#">NM_000936</a>

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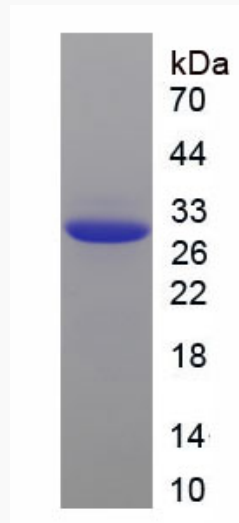
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**Protein Refseq** NP\_000927

**MIM** 246600

**UniProt ID** P16233



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