

# Recombinant Human PNLIPRP1

**Cat. No.** PNLIPRP1-7774H    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Human Pancreatic LipaseRelated Protein 1/PLRP1 is produced by our mammalian Cells expression system in HEK293. The target protein is expressed with sequence (Lys18Cys467) of Human PNLIPRP1.

**Species**                      Human

**Source**                        HEK293

**Description**                Pancreatic LipaseRelated Protein 1 (PNLIPRP1) belongs to the Lipase family within the AB hydrolase superfamily. PNLIPRP1 is a secreted protein and contains one PLAT domain. PNLIPRP1 is involved in lipid metabolic process, acting as a negative regulator of pancreatic lipase activity by competing with pancreatic lipase for colipase occupancy. PNLIPRP1 may play a role in inhibiting dietary triglyceride digestion, but it lacks detectable lipase activity towards triglycerides, diglycerides, phosphatidylcholine, galactolipids or cholesterol esters.

**Form**                            Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4

**Purity**                         Greater than 95% as determined by reducing SDS-PAGE.

**Notes**                         For research use only.

**Storage**                        Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

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## GENE INFORMATION

<b>Gene Name</b>	PNLIPRP1 pancreatic lipase-related protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	PNLIPRP1
<b>Synonyms</b>	PNLIPRP1; pancreatic lipase-related protein 1; PLRP1; PL-RP1;
<b>Gene ID</b>	5407
<b>mRNA Refseq</b>	NM_006229
<b>Protein Refseq</b>	NP_006220
<b>MIM</b>	604422
<b>UniProt ID</b>	P54315
<b>Chromosome Location</b>	10q26.12
<b>Pathway</b>	Acylglycerol degradation, organism-specific biosystem; Acylglycerol degradation, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	calcium ion binding; catalytic activity; NOT lipase activity; triglyceride lipase activity;

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