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

Gene Name	PNLIPRP1 pancreatic lipase-related protein 1 [Homo sapiens]
Official Symbol	PNLIPRP1
Synonyms	PNLIPRP1; pancreatic lipase-related protein 1; PLRP1; PL-RP1;
Gene ID	5407
mRNA Refseq	NM_006229
Protein Refseq	NP_006220
MIM	604422
UniProt ID	P54315
Chromosome Location	10q26.12
Pathway	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;
Function	calcium ion binding; catalytic activity; NOT lipase activity; triglyceride lipase activity;

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