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Datasheet for ABIN1097352

**PNLIPRP1 Protein (AA 18-467) (His tag)**

## Overview

Quantity:	50 µg
Target:	PNLIPRP1
Protein Characteristics:	AA 18-467
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PNLIPRP1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Pancreatic Lipase-Related Protein 1/PLRP1 (C-6His)
Sequence:	KEVCYEDLGC FSDTEPWGGT AIRPLKILPW SPEKIGTRFL LYTNNENPNNF QILLSDPST IEASNFQMDR KTRFIIHGFI DKGDESWVTD MCKKLFEVEE VNCICVDWKK GSQATYTQAA NNVRVVGAVQ AQMLDILLTE YSYPPSKVHL IGHSLGAHVA GEAGSKTPGL SRITGLDPVE ASFESTPEEV RLDPSDADFV DVIHTDAAPL IPFLGFGTNQ QMGHLDFFPN GGESMPGCKK NALSQIVDLD GIWAGTRDFV ACNHLRSYKY YLESILNPDG FAAYPCTSYK SFESDKCFPC PDQGCPQMGH YADKFAGRTS EEQQKFLLNT GEASNFARWR YGVSITLSGR TATGQIKVAL FGNKGNTHQY SIFRGILKPG STHSYEFDAK LDVGTIDKVK FLWNNNVINP TLPKVGATKI TVQKGEEKTV YNFCSEDTV R EDTLLTLTPC VDHHHHHH
Characteristics:	Recombinant Human Pancreatic Lipase-Related Protein 1/PLRP1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Lys18-Cys467) of Human PNLIPRP1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	PNLIPRP1
Alternative Name:	PLRP1 ( <a href="#">PNLIPRP1 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Pancreatic Lipase-Related Protein 1 (PNLIPRP1) belongs to the Lipase family within the AB hydrolase superfamily. PNLIPRP1 is a secreted protein and contains one PLAT domain.</p> <p>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.</p> <p>Alternative Names: Pancreatic Lipase-Related Protein 1, PL-RP1, PNLIPRP1, PLRP1</p>
Molecular Weight:	50.99 kDa
UniProt:	<a href="#">P54315</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>

## Handling

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Expiry Date: 3 months