

Product Data Sheet

PNLIPRP1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P77464		
Synonyms:	PNLIPRP1; PLRP1; Inactive pancreatic lipase-related protein 1; PL-RP1		
Species:	Rat		
Source:	HEK293		
Accession:	P54316 (K18-V473)		
Gene ID:	84028		
Molecular Weight:	Approximately 55-60 kDa		

PROPERTIES

AA Sequence						
/ stoequence	KEVCYDNLGC	FSDAEPWAGT	AIRPLKLLPW	SPEKINTRFL		
	LYTNENPTAF	QTLQLSDPLT	IGASNFQVAR	KTRFIIHGFI		
	DKGEENWVVD	МСКNMFQVEE	VNCICVDWKK	G S Q T T Y T Q A A		
	NNVRVVGAQV	AQMIDILVKN	Y S Y S P S K V H L	IGHSLGAHVA		
	G E A G S R T P G L	GRITGLDPVE	ANFEGTPEEV	RLDPSDADFV		
	DVIHTDAAPL	IPFLGFGTNQ	MSGHLDFFPN	G G Q S M P G C K K		
	NALSQIVDID	GIWSGTRDFV	ACNHLRSYKY	YLESILNPDG		
	FAAYPCASYK	DFESNKCFPC	P	YADKFAGKSG		
	DEPQKFFLNT	GEAKNFARWR	YRVSLILSGR	MVTGQVKVAL		
	FGSKGNTRQY	DIFRGIIKPG	ATHSSEFDAK	LDVGTIEKVK		
	FLWNNQVINP	SFPKVGAAKI	TVQKGEERTE	YNFCSEETVR		
	EDTLLTLLPC	ETSDTV				
Appearance	Lyophilized powder					
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.					
Endotoxin Level	<1 EU/µg, determined by LAL method.					
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).					
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.					
Shipping	Room temperature in continental US; may vary elsewhere.					

DESCRIPTION

Background

The PNLIPRP1 Protein emerges as a potential inhibitor of dietary triglyceride digestion, showcasing its probable role in modulating lipid metabolism. Notably, it lacks detectable lipase activity in vitro, as suggested by similarity analyses. This characteristic hints at PNLIPRP1's unique function as an enzyme inhibitor rather than an active participant in triglyceride hydrolysis, providing valuable insights into its potential regulatory role in lipid digestion processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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