

32-7581: Recombinant Human Pancreatic Lipase-Related Protein 1/PLRP1 (C-6His)

Gene : PNLIPRP1

Gene ID : 5407

Uniprot ID : P54315

Description

Source: Human Cells.

MW :50.99kD.

Recombinant Human Pancreatic Lipase-Related Protein 1 is produced by our Mammalian expression system and the target gene encoding Lys18-Cys467 is expressed with a 6His tag at the C-terminus. 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. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Storage condition : Lyophilized protein should be stored at -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 -20°C for 3 months.

Amino Acid : KEVCYEDLGCFSDTEPWGGTAIRPLKILPWSPEKIGTRFLLYTNENPNNFQILLSDPSTIEASNFQMDRKTRFIH
GFIDKGDESWVTDMCKKLFEEVNCICVDWKKGSQATYTQAANNVRVGAQVAQMLDILLTEYSYPPSKVHL
IGHSLGAHVAGEAGSKTPGLSRITGLDPVEASFESTPEEVRLDPSDADFVDVIHTDAAPLIPFLGFGTNQQMGHL
DFFPNGGESMPGCKKNALSQIVDLGIWAGTRDFVACNHLRSYKYLESILNPDGFAAYPCTSYKSFESDKCFP
CPDQGCPQMGHYADKFAGRTSEEQQKFFLNTGEASNFARWRYGVSTITLSGRTATGQIKVALFGNKGNTHQYSI
FRGILKPGSTHSYEFDAKLDVGTIDKVFLWNNNVINPTLPKVGATKITVQKGEEKTVYNFCSEDTVREDTLLTLT
PCVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.