

For Research Use Only

Recombinant Human PNLIP protein (rFc Tag)



Catalog Number: Eg2993

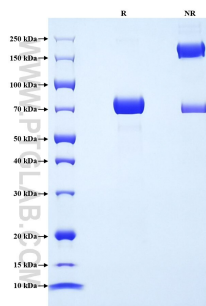
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human PNLIP protein Lys17-Cys465 (Accession# P16233) with a rabbit IgG Fc tag at the C-terminus. GeneID: 5406 Accession: P16233 Predicted Molecular Mass: 75.6 kDa SDS-PAGE: 68-78 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	The pancreatic triacylglycerol lipase precursor (PNLIP), a 56 kDa protein secreted by the pancreas that is essential for the hydrolysis and absorption of long-chain triglyceride fatty acids in the intestine is located ~1 Mb upstream from the chromosome 10 peak (PMID:17890784). It is also named as PL, PTL and belongs to the AB hydrolase superfamily. It may potentially be involved in the pathophysiology of traumatic brain injury and may be implicated in the proliferation of astrocytes and the recovery of neurological outcomes (PMID:19760487). The full length protein has a signal peptide with 16 amino acid and a glycosylation site.		
References	1. Sherva R. et al. J Lipid Res. 48(12):2632-9. 2. Jia J. et al. (2010). Mol Cell Biochem. 335(1-2):127-36.		
Synonyms	pancreatic lipase, PNLIP, EC:3.1.1.3, PL, PNLIPD		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human PNLIP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.