

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/ μ g 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 μ m 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.

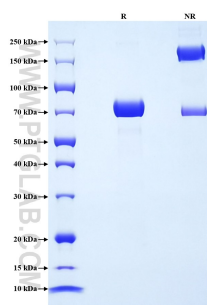
References

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

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.

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

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