

Recombinant Rat PNLIPRP1/PLRP1 Protein (His Tag)

Catalog Number:PKSR030152



Note: Centrifuge before opening to ensure complete recovery of vial contents.

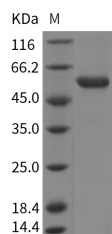
Description

Synonyms	Plrp1
Species	Rat
Expression Host	HEK293 Cells
Sequence	Met1-Val473
Accession	NP_114470.1
Calculated Molecular Weight	52.0 kDa
Tag	C-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

PNLIPRP1, also known as PLRP1, belongs to the AB hydrolase superfamily, Lipase family. PNLIPRP1 is structurally similar to PLRP2. However, these two proteins display different functional properties. PNLIPRP1 may function as inhibitor of dietary triglyceride digestion. It lacks detectable lipase activity towards triglycerides, diglycerides, phosphatidylcholine, galactolipids or cholesterol esters. PLRP2 hydrolyses milk fat with a lower catalytic efficiency than that of PL. PLRP2 activity, higher on homogenized than on native milk fat, is differently influenced by fatty acids and colipase depending on a proteolytic cleavage in the lid domain.

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