



Recombinant Protein Technical Manual
Recombinant Human Galactolipase/PLRP2 Protein
(His Tag)
RPES3626

Product Data:

Product SKU: RPES3626

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: P54317

Protein Information:

Molecular Mass: 51.5 kDa

AP Molecular Mass: 57 kDa

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Pancreatic Lipase-Related Protein 2; PL-RP2; Galactolipase; PNLIPRP2; PLRP2

Immunogen Information:

Sequence: Met 1-Cys469

Background:

Galactolipase, also known as PNLIPRP2, is a lipase with broad substrate specificity. It can hydrolyze both phospholipids and galactolipids. Galactolipase acts preferentially on monoglycerides, phospholipids and galactolipids. It also hydrolyses milk fat with a lower catalytic efficiency. The expressed galactolipase shows a lipolytic activity that is, however, only marginally dependent on the presence of colipase. The lipolytic activity of pancreatic extracts and human pancreatic juice on Labrasol is mainly due to the combined action of carboxyl ester hydrolase and galactolipase.