



Recombinant Protein Technical Manual

Recombinant Human LYPLA1 Protein (His Tag)

RPES2059

Product Data:

Product SKU: RPES2059

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O75608

Protein Information:

Molecular Mass: 26.8 kDa

AP Molecular Mass: 25 kDa

Tag: N-6His

Bio-activity:

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

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.

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

Application:

Synonyms: Acyl-Protein Thioesterase 1; APT; hAPT1; Lysophospholipase 1; Lysophospholipase I; LPL-I; LysoPLA I; LYPLA1; APT1; LPL1

Immunogen Information:

Sequence: Met 1-Asp230

Background:

Acyl-Protein Thioesterase 1 (APT) is lysophospholipase that belongs to the AB hydrolase 2 family. Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. APT performs on biological membranes to regulate the multifunctional lysophospholipids. It hydrolyzes lysophosphatidylcholine in both monomeric and micellar forms. It hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS; in addition, it also has depalmitoylating activity and low lysophospholipase activity.