# **Recombinant Human LYPLA1 Protein (His Tag)**

Catalog Number: PKSH032043



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

#### **Description**

Synonyms Acyl-Protein Thioesterase 1;APT-1;hAPT1;Lysophospholipase

1;Lysophospholipase I;LPL-I;LysoPLA I;LYPLA1;APT1;LPL1

Species Human
Expression Host E.coli

Sequence Met 1-Asp230
Accession O75608
Calculated Molecular Weight 26.8 kDa
Observed molecular weight 25 kDa

## **Properties**

Tag

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

N-His

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

Storage 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

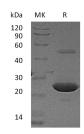
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM

DTT, 10% Glycerol, pH 8.0.

**Reconstitution** Not Applicable

#### Data



> 95 % as determined by reducing SDS-PAGE.

### **Background**

Acyl-Protein Thioesterase 1 (APT-1) is lysophospholipase that belongs to the AB hydrolase 2 family. Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. APT-1 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.

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