

Recombinant Human APT-1 (N-6His)

Catalog No: C097

Description	Recombinant Human Acyl-Protein Thioesterase 1 is produced by our E.coli expression system and the target gene encoding Met1-Asp230 is expressed with a 6His tag at the N-terminus.	
Source	E.coli	
Alternative name	Acyl-Protein Thioesterase 1; APT-1; hAPT1; Lysophospholipase 1; Lysophospholipase I; LPL-I; LysoPLA I; LYPLA1; APT1; LPL1	
Accession No.	O75608	
Predicted Molecular Weight	26.83kDa	
AP Molecular Weight	25kDa, reducing conditions.	
Formulation	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.	
Quality Control	Purity	Greater than 95% as determined by reducing SDS-PAGE.
	Endotoxin	Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.	
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.	

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.

