

Datasheet for ABIN7318133 **LYPLA1 Protein (His tag)**

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Overview

Quantity:	50 µg
Target:	LYPLA1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYPLA1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LYPLA1 Protein (His Tag)
Sequence:	Met 1-Asp230
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LYPLA1
Alternative Name:	LYPLA1 (LYPLA1 Products)
Background:	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

Target Details

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.

Synonym: Acyl-Protein Thioesterase 1, APT-1, hAPT1, Lysophospholipase 1, Lysophospholipase I, LPL-I, LysoPLA I, LYPLA1, APT1, LPL1

Molecular Weight: 26.8 kDa

UniProt: [O75608](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

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

Storage: -20 °C

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