Recombinant Human LYPLA1, His-tagged

Cat. No. LYPLA1-7739H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AcylProtein Thioesterase 1/APT1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1Asp230) of Human APT1 fused with a His tag at the Cterminus.
Species	Human
Source	E.coli
Description	AcylProtein Thioesterase 1 (APT1) is lysophospholipase that belongs to the AB hydrolase 2 family. APT1 performs on biological membranes to regulate the multifunctional lysophospholipids. It hydrolyzes fatty acids from Sacylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS; in addition, it also has depalmitoylating activity and low lysophospholipase activity.
Form	Supplied as a 0.2 μM filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Notes	For research use only.
Storage	Store at less than 20°C. stable for 6 months after receipt.Please minimize freezethaw cycles.

GENE INFORMATION

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Gene Name	LYPLA1 lysophospholipase I [Homo sapiens]
Official Symbol	LYPLA1
Synonyms	LYPLA1; lysophospholipase I; APT-1, LPL1, LYSOPLA, hAPT1; LPL-I
Gene ID	10434
mRNA Refseq	NM_006330.2
Protein Refseq	NP_006321.1
MIM	605599
UniProt ID	O75608
Chromosome Location	8q11.23
Pathway	Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of nitric oxide, organism-specific biosystem; eNOS activation, organism-specific biosystem; eNOS activation and regulation, organism-specific biosystem
Function	lysophospholipase activity; palmitoyl-(protein) hydrolase activity

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