

Recombinant Human LYPLA1, His-tagged

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

SPECIFICATION

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| 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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 45-1 Ramsey Road, Shirley, NY 11967, USA



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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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