



[Go to Product page](#)

Datasheet for ABIN1692065
LYPLA2 Protein (AA 1-231) (His tag)

Overview

Quantity:	50 µg
Target:	LYPLA2
Protein Characteristics:	AA 1-231
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYPLA2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Acyl-Protein Thioesterase 2/LYPLA2/APT2 (C-6His)
Sequence:	MCGNTMSVPL LTDAATVSGA ERETAAVIFL HGLGDTGHSW ADALSTIRLP HVKYICPHAP RIPVTLNMKM VMPSWFDLMG LSPDAPEDEA GIKKAAENIK ALIEHEMKNG IPANRIVLGG FSQGGALS LY TALTCPHLA GIVALSCWLP LHRAFPQAAN GSAKDLAILQ CHGELDPMVP VRFGALTAEK LRSVVT PARV QFKTYPGVMH SSCPQEMAAV KEFLEKLLPP VLEHHHHHHH
Characteristics:	Recombinant Human Acyl-Protein Thioesterase 2/LYPLA2 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Val231) of Human LYPLA2 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	LYPLA2
Alternative Name:	Acyl-Protein Thioesterase 2/LYPLA2 (LYPLA2 Products)
Sub Type:	Fusionprotein
Background:	<p>Acyl-Protein Thioesterase 2 is a cytoplasmic protein that belongs to the AB Hydrolase 2 family. LYPLA2 is a lysophospholipase and hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS. LYPLA2 has hydrolase activity that converts Palmitoyl-protein to palmitate and protein. LYPLA2 regulates the multifunctional lysophospholipids by acting on biological membranes. LYPLA2 participates in Glycerophospholipid metabolism pathway, fatty acid metabolic process and lipid metabolic process.</p> <p>Alternative Names: Acyl-Protein Thioesterase 2, APT-2, Lysophospholipase II, LPL-II, LysoPLA II, LYPLA2, APT2</p>
Molecular Weight:	25.8 kDa
UniProt:	O95372

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 1 mM DTT, 0.1M NaCl, pH 8.0.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

Expiry Date: 6 months