

## Recombinant Human LYPLA2

Catalog No: CF43

<b>Description</b>	Recombinant Human Acyl-Protein Thioesterase 2 is produced by our E.coli expression system and the target gene encoding Met1-Val231 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	E. coli
<b>Alternative name</b>	Acyl-Protein Thioesterase 2; APT-2; Lysophospholipase II; LPL-II; LysoPLA II; LYPLA2; APT2
<b>Accession No.</b>	O95372
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris, 1mM DTT, 0.1M NaCl, pH 8.0.
<b>Reconstitution</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>Quality Control</b>	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
<b>Shipping</b>	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>Storage</b>	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
<b>Amino Acid Sequence</b>	<p>MCGNTMSVPLLDAATVSGAERETA AVIFLHGLGDTGHSWADALSTIRLPHVKYICPHAPRIPVTLNMK</p> <p>MVMPSWFDLMGLSPDAPEDA EAGIKKAAENIKALIEHEMKNIGIPANRIVLGGFSQGGALSLYTALTCPHPL</p> <p>AGIVALSCWLPLHRAFPQAANGSAKDLAILQCHGELDPMVPVRFGALTAEKLRSVVT PARVQFKTYPGV</p> <p>MHSSCPQEMAAVKEFLEKLLPPVLEHHHHHH</p>
<b>Background</b>	<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>

### SDS-Page

