



Recombinant Protein Technical Manual

Recombinant Human LYPLA2 Protein (His Tag)

RPES2111

Product Data:

Product SKU: RPES2111

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O95372

Protein Information:

Molecular Mass: 25.8 kDa

AP Molecular Mass: 28 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 1mM DTT, 0.1M NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Acyl-Protein Thioesterase 2; APT-2; Lysophospholipase II; LPL-II; LysoPLA II; LYPLA2; APT2

Immunogen Information:

Sequence: Met 1-Val231

Background:

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.