

## LYPLA2 Human

**Description:** LYPLA2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 251 amino acids (1-231 a.a.) and having a molecular mass of 26.9kDa. The LYPLA2 is purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-083

For research use only.

**Synonyms:** Acyl-protein thioesterase 2, APT-2, Lysophospholipase II, LPL-II, LysoPLA II, LYPLA2, APT2, DJ886K2.4.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MCGNTMSVPL LTDAATVSGA  
ERETAIVIFL HGLGDTGHSW ADALSTIRLP HVKYICPHAP RIPVTLMKMM VMPSWFDLMG  
LSPDAPEDEA GIKKAAENIK ALIEHEMKNG IPANRIVLGG FSQGGALS LY TALTCPHPLA  
GIVALSCWLP LHRAFPQAAN GSAKDLAILQ CHGELDPMVP VRFGALTA EK LRSVVTPARV  
QFKTYPGVMH SS

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The LYPLA2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.

**Stability:**

LYPLA2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Acyl-protein thioesterase 2 (LYPLA2) is lysophospholipase which acts on biological membranes to regulate the multifunctional lysophospholipids. LYPLA2 may hydrolyze fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS.

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