

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
ERETAAVIFL HGLGDTGHSW ADALSTIRLP HVKYICPHAP RIPVTLMKMM VMPSWFDLMG
LSPDAPEDEA GIKKAAENIK ALIEHEMKNG IPANRIVLGG FSQGGALS LY TALTCPHPLA
GIVALSCWLP LHRAFPQAAN GSAKDAILQ 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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