
Product Data Sheet

Product Name: LYPLA2 Human

Cat. No.: GP21893

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Acyl-protein thioesterase 2; APT-2; Lysophospholipase II; LPL-II; LysoPLA II; LYPLA2; APT2; DJ886K2.4.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MCGNTMSVPL LTDAATVSGA ERETA AVIFL HGLGDTGHSW ADALSTIRLP HVKYICPHAP RIPVTLNMKM VMPSWFDLMG LSPDAPEDA GIKKAAENIK ALIEHEMKNG IPANRIVLGG FSQGGALS LY TALTCPHPLA GIVALSCWLP LHRAFPQAAN GSAKDLAILQ CHGELDPMVP VRFGALTAEK LRSVVT PARV QFKTYPGVMH SSCPQEMAAV KEFLEKLLPP V.		
Formulation	The LYPLA2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LYPLA2 Human Recombinant fused with a20 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

Caution: Product has not been fully validated for medical applications. For research use only.

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chromatographic techniques.

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