
Product Data Sheet

Product Name: LYPLA1 Mouse
 Cat. No.: GP21895
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Acyl-protein thioesterase 1; LYPLA1; APT-1; LPL1; LYSOPLA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MCGNNMSAPM PAVVPAARKA TAAVIFLHGL GDTGHGWAEA FAGIKSPHIK YICPHAPVMP VTLNMMNAMP SWFDIVGLSP DSQEDESNIK QAAETVKALI DQEVKNGIPS NRIILGGFSQ GGALSLYTAL TTQQLAGVT ALSCWLPLRA SFSQGPINSA NRDISVLQCH GDCDPLVPLM FGSLTVERLK ALINPANVTF KIYEGMMHSS CQQEMMDVKH FIDKLLPPID.		
Formulation	The LYPLA1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 10% glycerol.		

Introduction

LYPLA1 is lysophospholipase which performs on biological membranes to regulate the multifunctional lysophospholipids. LYPLA1 protein hydrolyzes fatty acids from S-acylated cysteine residues in proteins like trimeric G alpha proteins or HRAS and in addition has depalmitoylating activity.

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

LYPLA1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 250 amino acids (1-230a.a.) and having a molecular mass of 26.8kDa. LYPLA1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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