

LYPLA1 Mouse

Description: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.

Catalog #:ENPS-572

For research use only.

Synonyms:Acyl-protein thioesterase 1, LYPLA1,APT-1, LPL1, LYSOPLA.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHH SSGLVPRGSH MCGNNMSAPM PAVVPAARKA
TAAVIFLHGL GDTGHGWAEA FAGIKSPHIK YICPHAPVMP VTLNMNMAMP SWFDIVGLSP
DSQEDESIGK QAAETVKALI DQEVKNGIPS NRILGGFSQ GGALSLYTAL TTQQLAGVT
ALSCWLPLRA SFSQGPINSA NRDISVLQCH GDCDPLVPLM FGSLTVERLK ALINPANVTF
KIYEGMMHSS CQ

Purity:Greater than 90% as determined by SDS-PAGE.

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.

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.

Usage:

NeoBiolabs 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:

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.

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