

LYPLA1, 1-230aa, Mouse, His tag, E.coli

Cat.NO.: TP02867

3th Edition

Synonyms:Acyl-protein thioesterase 1, lysophospholipase 1, Pla1a, APT-1, LysoPLA I, LPL-I

Description:LYPLA1 is lysophospholipase that acts on biological membranes to regulate the multifunctional lysophospholipids. This protein hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS and also has depalmitoylating activity. Recombinant mouse LYPLA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:26.8 kDa (250aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMCGNNMSAPMPAVVPAARKATAAVIFLHGLGDTGHGWAEAFAGIKSPHIKYICPH
APVMPVTLNMNMAMP SWFDIVGLSPDSQEDESGIKQAAETVKALIDQEVKNGIPSNRIILGGFSQGGALSLYTALTT
QQKLAGVTALSCWLPLRASFSQGPINSANRDISVLQCHGDCDPLVPLMFGSLTVERLKALINPANVTFKIYEGMMHS
SCQQEMMDVKHFIDKLLPPID

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.