

LYPLA2, 1-231aa, Human, His tag, E.coli

Cat.NO.: TP02868

3th Edition

Synonyms:Acyl-protein thioesterase 2, APT-2, APT2, Lysophospholipase II, LPL-II, LysoPLA II

Description:Acyl-protein thioesterase 2, also known LYPLA2, is lysophospholipase that acts on biological membranes to regulate the multifunctional lysophospholipids. This protein may hydrolyze fatty acids from Sacylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS. Recombinant human LYPLA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol,100mM NaCl

Molecular Weight:26.9 kDa (251aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMCGNTMSVPLLDAATVSGAERETA AVIFLHGLGDTGHSWADALSTIRLPHVKYI
CPHAPRIPVTLNMKVMPSWFDLMGLSPDAPEDEAGIKKAAENIKALIEHEMKNIGIPANRIVLGGFSQGGALS LYTA
LTCPHPLAGIVALSCWLPLHRAFPQAANGSAKD LAILQCHGELDPMVPVRFGALTAEKLR SVVTPARVQFKTYPGV
MHSSCPQEMAAVKEFLEKLLPPV

Purity:> 95% by HPLC

Concentration:1 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.