

Recombinant human LYPLA2 protein

Catalog Number: ATGP0926

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-231aa

UniProt No.

O95372

NCBI Accession No.

NP_009191.1

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

26.9 kDa (251aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 S-acylated 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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MCGNTMSVPL LTDAATVSGA ERETAAVIFL HGLGDTGHSW ADALSTIRLP

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HVKYICPHAP RIPVTLNMKM VMPSWFDLMG LSPDAPEDEA GIKKAAENIK ALIEHEMKNG IPANRIVLGG FSQGGALSLY
TALTCPHPLA GIVALSCWLP LHRAFPQAAN GSAKDLAILQ CHGELDPMVP VRFGALTAEK LRSVTPARV QFKTYPGVMH
SSCPQEMAAV KEFLEKLLPP V

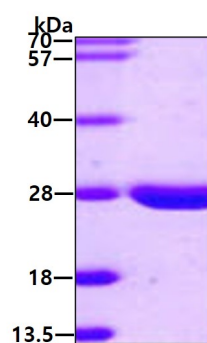
General References

Fan J., et al. (2008) *Int J Infect Dis.* 12(2):143-51.

Wanq A., et al. (2000) *Biochim Biophys Acta.* 1484:207-14.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.