

ACP6, 33-428aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP3015

Full name: lysophosphatidic acid phosphatase type 6

NCBI Accession No.: NP_057445

Synonyms: ACPL1, LPAP, PACPL1

Description: ACP6 also known as lysophosphatidic acid phosphatase type 6, is Hydrolyzes lysophosphatidic acid (LPA) containing a medium length fatty acid chain to the corresponding monoacylglycerol. Has highest activity with lysophosphatidic acid containing myristate (C14:0), monounsaturated oleate (C18:1) or palmitate (C16:0), and lower activity with C18:0 and C6:0 lysophosphatidic acid. Recombinant human ACP6 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form Liquid, In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT

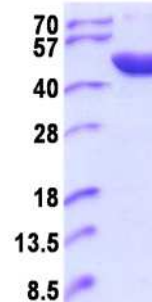
Molecular Weight: 47.7kDa (419aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Biological activity: Specific activity is > 70 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmoles of p-nitrophenyl phosphate (pNPP) per minute at pH 5.0 at 37C.

(kDa)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MGSELQEADG QCPVDRSLK LKMVQVFRH GARSPLKPLP LEEQVEWNPQ LLEVPPQTQF DYTVTNLAGG
PKPYSPYDSQ YHETTLKGGM FAGQLTKVGM QMFALGERL RKNYVEDIPF LSPTFNPQEV FIRSTNIFRN LESTRCLLAG LFGCQKEGPI
IIHTDEADSE VLYPNYQSCW SLRQRTRGRR QTASLQPGIS EDLKVKVDRM GIDSSDKVDF FILLDNVAE QAHNLPSCPM LKRFARMIEQ
RAVDTSLYIL PKEDRESLQM AVGPFLHILE SNLLKAMDSA TAPDKIRKLY LYAAHDVTFI PLLMTLGIFD HKWPPFAVDL TMELYQHLES
KEWVFQLYYH GKEQVPRGCP DGLCPLDMFL NAMSVYTLSP EKYHALCSQT QVMEVGNEE

General references:

Hiroyama M., *et al.* (1999) *J. Biol. Chem.* 274:29172-29180.

Li J., *et al.* (2013) *Protein Cell* 4:548-561

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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