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32-6640: ACP6 Human

Application :	Functional Assay
Alternative Name :	Acid Phosphatase 6, Lysophosphatidic, Acid Phosphatase-Like Protein 1, PACPL1, ACPL1, LPAP, Lysophosphatidic Acid Phosphatase Type 6, Lysophosphatidic Acid Phosphatase 6, Acid Phosphatase Like 1, EC 3.1.3.2, Lysophosphatidic acid phosphatase type 6.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Acid Phosphatase-6, also known as ACP6 is Hydrolyzes lysophosphatidic acid (LPA) which contains a medium length fatty acid chain to the corresponding monoacylglycerol. ACP6 shows highest activity with lysophosphatidic acid which contains myristate (C14:0), monounsaturated oleate (C18:1) or palmitate (C16:0), and lower activity with C18:0 as well as C6:0 lysophosphatidic acid.
ACP6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 419 amino acids (33-428a.a) and having a molecular mass of 47.7kDa. ACP6 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	ACP6 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 30% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSELQEADG QCPVDRSLLK LKMVQVVFRH GARSPLKPLP LEEQVEWNPQ LLEVPPQTQF DYTVTNLAGG PKPYSPYDSQ YHETTLKGGM FAGQLTKVGM QQMFALGERL RKNYVEDIPF LSPTFNPQEV FIRSTNIFRN LESTRCLLAG LFQCQKEGPI IIHTDEADSE VLYPNYQSCW SLRQRTRGRR QTASLQPGIS EDLKKVKDRM GIDSSDKVDF FILLDNVAAE QAHNLPSCPM LKRFARMIEQ RAVDTSLYIL PKEDRESLQM AVGPFLHILE SNLLKAMDSA TAPDKIRKLY LYAAHDVTFI PLLMTLGIFD HKWPPFAVDL TMELYQHLES KEWFVQLYYH GKEQVPRGCP DGLCPLDMFL NAMSVYTLSP EKYHALCSQT QVMEVGNEE.

Application Note

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

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