

Acid Phosphatase-6 Human Recombinant

Item Number	rAP-1567
Synonyms	Acid Phosphatase 6, Lysophosphatidic, Acid Phosphatase-Like Protein 1, PACPL1, ACPL1, LPAP, Lysophosphatidic Acid Phosphatase Type 6, Lysophosphatidic Acid
Description	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.
Uniprot Accesion Number	Q9NPH0
Amino Acid Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MGSELQEADG QCPVDRSLLK LKMVQVVFRH GARSPLKPLP LEEQVVEWNPQ LLEVPPQTQF DYTVTNLAGG PKPYSPYDSQ YHETTLKGGM FAGQLTKVGM QQMFALGERL RKNYVEDIPF LSPTFNPQEY FIRSTNIFRN LESTRCLLAG LFQCQKEGPI IIHTDEADSE VLYPNYQSCW SLRQRTRGRR QTASLQPGIS EDLKKVKDRM GIDSSDKVDF FILLDNVAAE QAHNLPSPCM LKRFARMIEQ RAVDTSLYIL PKEDRESLQM AVGPFLHILE </pre>
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	ACP6 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 30% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	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 pH 5.0 at 37°C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**