

## Recombinant Human ACP6 protein, His & T7-tagged

**Cat. No.** ACP6-7854H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACP6 aa. (Met1~Glu428 (Accession # Q9NPH0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Glu428
<b>Description</b>	This gene encodes a member of the histidine acid phosphatase protein family. The encoded protein hydrolyzes lysophosphatidic acid, which is involved in G protein-coupled receptor signaling, lipid raft modulation, and in balancing lipid composition within the cell. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 52.6kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%
<b>Characteristic</b>	The isoelectric point is 6.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP

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<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

<b>Gene Name</b>	ACP6 acid phosphatase 6, lysophosphatidic [ Homo sapiens (human) ]
<b>Official Symbol</b>	ACP6
<b>Synonyms</b>	ACP6; acid phosphatase 6, lysophosphatidic; LPAP; ACPL1; PACPL1; lysophosphatidic acid phosphatase type 6; acid phosphatase-like protein 1
<b>Gene ID</b>	51205
<b>mRNA Refseq</b>	NM_016361.4
<b>Protein Refseq</b>	NP_057445.4
<b>UniProt ID</b>	Q9NPH0

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