

## Recombinant Human ACPP, His-tagged

Cat. No. ACPP-9311H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACPP protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	27-418a.a.
<b>Description</b>	This gene encodes an enzyme that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epithelial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isoform has been found for this gene. This isoform contains a transmembrane domain and is localized in the plasma membrane-endosomal-lysosomal pathway.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

**Gene Name** [ACPP acid phosphatase, prostate \[ Homo sapiens \]](#)

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<b>Official Symbol</b>	ACPP
<b>Synonyms</b>	ACPP; acid phosphatase, prostate; prostatic acid phosphatase; ACP 3; ACP3; TMPase; 5-nucleotidase; ecto-5-nucleotidase; thiamine monophosphatase; prostatic acid phosphatase; PAP; 5-NT; ACP-3;
<b>Gene ID</b>	55
<b>mRNA Refseq</b>	NM_001099
<b>Protein Refseq</b>	NP_001090
<b>MIM</b>	171790
<b>UniProt ID</b>	P15309
<b>Chromosome Location</b>	3q21-qter
<b>Pathway</b>	Riboflavin metabolism, organism-specific biosystem; Riboflavin metabolism, conserved biosystem;
<b>Function</b>	5-nucleotidase activity; acid phosphatase activity; hydrolase activity;

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