

Native Human ACPP

Cat. No. ACPP-29981TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Prostate Acid Phosphatase prepared from pooled Human seminal fluid, amino acids 33-386, predicted MWt 41kDa.
Species	Human
ProteinLength	354 amino acids
Description	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.
Molecular Weight	100.000kDa
Form	Lyophilised:Reconstitution in phosphate buffer containing 0.15M NaCl is recommended.
Purity	by SDS-PAGE
Storage buffer	Preservative: None Constituents: 0.02M Ammonium bicarbonate
Storage	Store at +4°C.

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Sequence Similarities Belongs to the histidine acid phosphatase family.

GENE INFORMATION

Gene Name	ACPP acid phosphatase, prostate [Homo sapiens]
Official Symbol	ACPP
Synonyms	ACPP; acid phosphatase, prostate; prostatic acid phosphatase; ACP 3; ACP3;
Gene ID	55
mRNA Refseq	NM_001099
Protein Refseq	NP_001090
MIM	171790
Uniprot ID	P15309
Chromosome Location	3q21-qter
Pathway	Riboflavin metabolism, organism-specific biosystem; Riboflavin metabolism, conserved biosystem;
Function	5-nucleotidase activity; acid phosphatase activity; hydrolase activity;

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