

Native Human Prostatic Acid Phosphatase

Cat. No. ACPP-8250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Prostatic Acid Phosphatase was purified from Human Seminal Fluid.
Species	Human
Source	Human Seminal Fluid
Description	Human prostatic Acid phosphatase (PAP) is a phosphatase, a type of enzyme, used to free attached phosphate groups from other molecules during digestion. Acid Phosphatase is stored in lysosomes and functions when these fuse with endosomes, which are acidified while they function; therefore, Human Acid Phosphatase has an acid pH optimum below 7.0.
Form	Lyophilized
Molecular Mass	100 KDa
Purity	>98% by SDS-PAGE
Stability	1 year
Storage	-20 °C
Concentration	Typically >0.2 mg protein/mg

GENE INFORMATION

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Gene Name	ACPP acid phosphatase, prostate [Homo sapiens]
Official Symbol	ACPP
Synonyms	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;
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;