

Active Native Human PAP

Cat. No. PAP-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified native Human PAP protein (> 95% pure).
Species	Human
Source	Human Seminal Fluid
Description	Prostatic acid phosphatase (PAP), also prostatic specific acid phosphatase (PSAP), is an enzyme produced by the prostate. It may be found in increased amounts in men who have prostate cancer or other diseases. The highest levels of acid phosphatase are found in metastasized prostate cancer.
Form	Supplied 0.2 micron filtered in 150mM NaCl, 9.5mM Sodium Phosphate Monobasic, 40.5mM Sodium Phosphate Dibasic, pH 7.6 with 0.05% NaN ₃
Molecular Weight	51 kDa
Purification	Highly pure grade; >95% pure by SDS-PAGE
Bioactivity	536.0U/mg
Applications	User optimized
Storage	Aliquot and store at -20°C. Avoid repeated Freeze/Thaw cycles.
Pathways	Riboflavin metabolism

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GENE INFORMATION

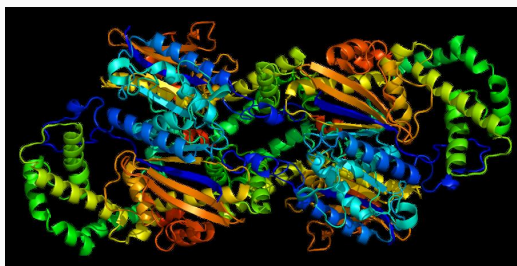
Gene Name	ACPP acid phosphatase, prostate [Homosapiens]
Official Symbol	ACPP
Synonyms	ACPP; acidphosphatase,prostate; PAP; ACP3; 5'-NT; ACP-3; prostatic acid phosphatase;TMPase;5"-nucleotidase; OTTHUMP00000216106; OTTHUMP00000216107; OTTHUMP00000216108;ecto-5'-nucleotidase;thiamine monophosphatase; prostatic acid phosphotase;EC 3.1.3.2; EC 3.1.3.5
Gene ID	55
mRNA Refseq	NM_001099
Protein Refseq	NP_001090
MIM	171790
UniProt ID	P15309
Chromosome Location	3q21-q23
Function	5'-nucleotidaseactivity; acidphosphatase activity; hydrolase activity

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