

Active Recombinant Human ACPD protein, His-tagged

Cat. No. ACPD-1147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ACPD protein(NP_001127666.1) (Met 1-Lys 382) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-382 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >100,000 pmol/min/μg.
Molecular Mass	The recombinant human ACPD consists of 361 amino acids and has a predicted molecular mass of 42 kDa. The apparent molecular mass of rh ACPD is approximately 45-55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_001090.2
Unit ID	P15309
Unit ID-Weblink	http://www.uniprot.org/uniprot/P15309
GENE INFORMATION	
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