

Product information

ACPP, 33-386aa

Human, His-tagged, Recombinant, *E.coli*

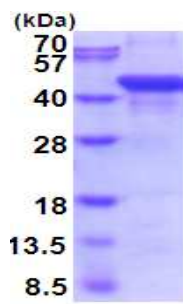
Cat. No. IBATGP2956

Full name: Acid phosphatase, prostate

NCBI Accession No.: AAH08493

Synonyms: PAP, ACP3, ACP-3

Description: ACPP, also known as Acid phosphatase, prostate. ACPP is a non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. It has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma. Recombinant human ACPP, fused to His-tag at N-terminus, was expressed in *E.coli*.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol</p> <p>Molecular Weight: 43.2kDa (375aa)</p> <p>Purity: > 85%by SDS - PAGE</p> <p>Concentration: 0.5mg/ml (determined by Bradford assay)</p>	 <p>(kDa) 70 57 40 28 18 13.5 8.5</p>
<p>15% SDS-PAGE (3ug)</p>	
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHH</u> <u>SSGLVPRGSH</u> MKELKFVTLV FRHGDRSPID TFPTDPIKES SWPQGFGQLT QLGMEQHYEL GEYIRKRYRK FLNESYKHEQ VYIRSTDVDR TLMSAMTNLA ALVPEGVS I WNPILLWQPI PVHTVPLSED QLLYLPRFNC PRFQELESET LKSEEFQKRL HPYKDFIATL GKLSGLHGQD LFGIWSKVYD PLYGESVHNF TLPSRATEDT MTKLRELSL SLLSLYGIHK QKEKSRLQGG VLVNEILNHM KRATQIPSYK KLIMYSAHDT TVSGLQMALD VYNGLLPPYA SCHLTELYFE KGEYFVEMY RNETQHEPYP LMLPGCSPSC PLERFAELVG PVI PQDWSTE CMTTNSHQGT EDSTD</p>	

General references:

Sharief F.S., *et al.* (1992) *Biochem. Biophys. Res. Commun.* 184:1468-1476

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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