

Recombinant human Prostatic Acid Phosphatase/ACPP protein

Catalog Number: ATGP2956

PRODUCT INFORMATION

Expression system

E.coli

Domain

33-386aa

UniProt No.

P15309

NCBI Accession No.

AAH08493

Alternative Names

Acid phosphatase prostate, Acid phosphatase, prostate, PAP, ACP3, ACP-3

PRODUCT SPECIFICATION

Molecular Weight

43.2 kDa (375aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

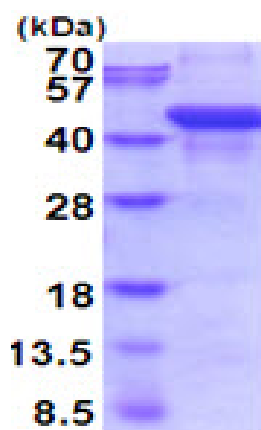
MGSSHHHHHH SSGLVPRGSH MKELKFVTLV FRHGDRSPID TFPTDPIKES SWPQGFGQLT QLGMEQHYEL GEYIRKRYRK
FLNESYKHEQ VYIRSTDVDR TLMSAMTNLA ALVPPEGVSI WNPILLWQPI PVHTVPLSED QLLYLPFRNC PRFQELESET
LKSEEFQKRL HPYKDFIATL GKLSGLHGQD LFGIWSKVYD PLYCESVHNF TLPSRATEDT MTKLRELSL SLLSLYGIHK
QKEKSRLQGG VLVNEILNHM KRATQIPSYK KLIMYSAHDT TVSGLQMALD VYNGLLPPYA SCHLTELYFE KGEYFVEMYY
RNETQHEPYP LMLPGCSPSC PLERFAELVG PVIPQDWSTE CMTTNSHQGT EDSTD

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)