

## 32-6641: ACPH Human

**Alternative Name :** PAP, ACP3, ACP-3, Acid phosphatase, prostate, 5'-nucleotidase, 5'-NT, Ecto-5'-nucleotidase, Thiamine monophosphatase, TMPase.

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

Acid phosphatase, prostate (ACPP) is a non-specific tyrosine phosphatase, which dephosphorylates a varied number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. ACPP has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma.

ACPP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 375 amino acids (33-386 a.a) and having a molecular mass of 43.2kDa. ACPP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** ACPP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHH SSGLVPRGSH MKELKFVTLV FRHGDRSPID TFPTDPIKES SWPQGFGLT  
QLGMEQHYEL GEYIRKRYRK FLNESYKHEQ VYIRSTDVDR TLMSAMTNLA ALVPPEGVSI WNPILLWQPI  
PVHTVPLSED QLLYLPFRNC PRFQELESET LKSEEFQKRL HPYKDFIATL GKLSGLHGQD LFGIWSKVYD  
PLYCESVHNF TLPSRATEDT MTKLRESEL SLLSLYGIHK QKEKSRLQGG VLVNEILNHM KRATQIPSYK  
KLIMYSAHDT TVSGLQMALD VYNGLLPPYA SCHLTLYFE KGEYFVEMY RNETQHEPYP LMLPGCSPSC  
PLERFAELVG PVIQDWSTE CMTTNSHQGT EDSTD.