

## 32-7376: Recombinant Human Prostatic Acid Phosphatase/ACPP (C-6His)

**Gene :** ACPP  
**Gene ID :** 55  
**Uniprot ID :** P15309

### Description

Source: Human Cells.  
MW :42.01kD.

Recombinant Human Prostatic Acid Phosphatase is produced by our Mammalian expression system and the target gene encoding Lys33-Asp386 is expressed with a 6His tag at the C-terminus. Prostatic Acid Phosphatase (PAP) belongs to the histidine acid phosphatase family. PAP can catalyze the hydrolysis of member of phosphate monoesters, including phosphorylated protein. PAP can high expression in metastasized prostate cancer, moderately expression level in bone diseases, blood cell disease, and the concentration of PAP is used to monitor and assess the proession of prostate cancer. The optimum PH of PAP is from 4 to 6; its activity can be inhibited by L(+)-tartrate.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** KELKFVTLVFRHGDSPIDTFPTDPIKESSWPQGFQGLTQLGMEQHYELGEYIRKRYRKFNLNYSYKHEQVYIRST  
DVDRTLMSAMTNLAALFPPEGVSIWNPILLWQPIPVHTVPLSEDLQLLYLPFRNCPRFQELESETLKSEEFQKRLH  
PYKDFIATLGKLSGLHGQDLFGIWSKVYDPLYCESVHNFTLPSWATEDTMTKLRELSLSLSLYGIHKQKEKSR  
LQGGVLVNEILNHMKRATQIPSYKKLIMYSAHDTTVSGLQMALDVYNGLLPPYASCHLTLYFEKGEYFVEMHY  
RNETQHEPYPLMLPGCSPSCPLERFAELVGPVIPQDWSTECMTTNSHQGTEDSTDVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.