

# Recombinant Full Length Human ACPP Protein, GST-tagged

**Cat. No.** ACPP-807HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ACPP full-length ORF ( NP_001090.2, 1 a.a. - 386 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 386 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene encodes an enzyme that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epithelial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isoform has been found for this gene. This isoform contains a transmembrane domain and is localized in the plasma membrane-endosomal-lysosomal pathway. [provided by RefSeq, Sep 2008] |
| <b>Molecular Mass</b>   | 71 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MRAAPLLLAR AASLSLGFLF LLFFWLDRSV LAKELKFVTL VFRHGDRSPI<br>DTFPTDPIKE SSWPQGFGQL TQLGMEQHYE LGEYIRKRYR KFLNESYKHE<br>QVYIRSTDVD RTLMSAMTNL AALFPPEGVS IWNPILLWQP IPVHTVPLSE<br>DQLLYLPFRN CPRFQEESE TLKSEEFQKR LHPYKDFIAT LGKLSGLHGQ<br>DLFGIWSKVY DPLYCESVHN FTLPSWATED TMTKLRELSE LSLLSLYGIH<br>KQKEKSRLQG GVLVNEILNH MKRATQIPSY KKLIMYSAHD TTVSGLQMAL<br>DVYNGLLPPY ASCHLTELYF EKGEYFVEMY YRNETQHEPY PLMLPGCSPS                                                                     |

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CPLERFAELV GPVIPQDWST ECMTTNSHQG TEDSTD

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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

**UniProt ID**

P15309

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