

## Recombinant Human ACPP Protein, GST-Tagged

**Cat. No.** ACPP-184H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <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>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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>      | MRAAPLLARAASLSLGFLLFFWLDRSVLAKELKFVTLVFRHGDSPIDTFPTDPIK<br>ESSWPQGFGQLTQLGMEQHYELGEYIRKRYRKFLNESYKHEQVYIRSTDVDRTLMS<br>AMTNLAALFPPEGVSIWNPIILLWQIPVHTVPLSEDQLLYLPFRNCPRFQELESETLK<br>SEEFQKRLHPYKDFIATLGKLSGLHGQDLFGIWSKVYDPLYCESVHNFTLPSWATED<br>TMTKLRELSLSLLSLYGIHKQKEKSRLQGGVLVNEILNHMKRATQIPSYKKLIMYSA<br>HDTTVSGLQMALDVYNGLLPPYASCHLTelyFEKGEYFVEMYRNETQHEPYPLML<br>PGCSPSCPLERFAELVGPVIPQDWSTECMTTNSHQGTEDSTD                                                                  |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|                         | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                      |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                          |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                        |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                        |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                 |
| <b>Gene Name</b>        | ACPP acid phosphatase, prostate [ Homo sapiens ]                                                                                                                                                |
| <b>Official Symbol</b>  | ACPP                                                                                                                                                                                            |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 55                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_001099                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_001090                                                                                                                                                                                       |
| <b>MIM</b>              | 171790                                                                                                                                                                                          |
| <b>UniProt ID</b>       | P15309                                                                                                                                                                                          |