

# Recombinant Human ACPD protein, Arginine-tagged

**Cat. No.** ACPD-150H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human ACPD protein fused with 11 arginine domain at C-terminal, which efficiently delivery protein intracellularly, was expressed in E. coli.                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | 0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | <p>KELKFVTLVFRHGDRSPIDTFPTDPIKESSWPQGFGQLTQLGMEQHYELGEYIRKRY</p> <p>RKFLNESYKHEQVYIRST DVDRTLMSAMTNLAALVPPEGVSIWNPILLWQPIPVHTV</p> <p>PLSEDQLLYLPFRNCPRFQELESETLKSEEFQKRLH PYKDFIATLGKLSGLHGQDLF</p> <p>GIWSKVYDPLYCESVHNFTLPSRATEDTMTKLRELSLSLSLYGIHKQKEKSR LQG</p> <p>GVLVNEILNHMKRATQIPSYKKLIMYSAHDTTVSGLQMALDVYNGLLPPYASCHLTEL</p> <p>YFEKGEYFVEMYR NETQHEPYPLMLPGCSPSCPLERFAELVGPVIPQDWSTECM</p> <p>TTNSHQLEESGGGGSPGRRRRRRRRRRRR</p> |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | 1. Human prostate specific tumor antigen.2. Immunogen for specific antibody production.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.                                                                                                                                                                                                                                                                                                                                                        |

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## GENE INFORMATION

|                            |                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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; 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                                                                                                                                                              |
| <b>Chromosome Location</b> | 3q21-qter                                                                                                                                                           |
| <b>Pathway</b>             | Riboflavin metabolism, organism-specific biosystem; Riboflavin metabolism, conserved biosystem;                                                                     |
| <b>Function</b>            | 5-nucleotidase activity; acid phosphatase activity; hydrolase activity;                                                                                             |

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