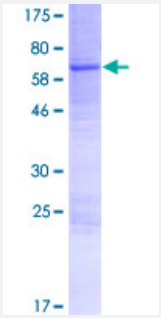
Full-Length

# ACPT (Human) Recombinant Protein (P01)

Catalog # H00093650-P01 Size 25 ug, 10 ug

## Applications




## Specification

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| **Product Description** | Human ACPT full-length ORF ( AAI46507.1, 1 a.a. - 426 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MAGLGFWGHPAGPLLLLLLLVLPPRALPEGPLVFVALVFRHGDRAPLASYPMDPHKEVASTLWP RGLGQLTTEGVRQQLELGRFLRSRYEAFLSPEYRREEVYIRSTDFDRTLESAQANLAGLFPEAAP GSPEARWRPIPVHTVPVAEDKLLRFPMRSCPRYHELLREATEAAEYQEALEGWTGFLSRLENFT GLSLVGEPLRRAWKVLDTLMCQQAHGLPLPAWASPDVLRTLAQISALDIGAHVGPPRAAEKAQL TGGILLNAILANFSRVQRLGLPLKMVMYSAHDSTLLALQGALGLYDGHTPPYAACLGFEFRKHLGN PAKDGGNVTVSLFYRNDSAHLPLPLSLPGCPAPCPLGRFYQLTAPARPPAHGVSCHGPYEAAIP PAPVVPLLAGAVAVLVALSLGLGLLAWRPGCLRALGGPV |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 73.81 |
| **Interspecies Antigen Sequence** | Mouse (84); Rat (83) |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |

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| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

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

## Gene Info — ACPT

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|---|---|
| **Entrez GeneID** | 93650 |
| **GeneBank Accession#** | BC146506 |
| **Protein Accession#** | AAI46507.1 |
| **Gene Name** | ACPT |
| **Gene Alias** | - |
| **Gene Description** | acid phosphatase, testicular |
| **Omim ID** | 606362 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is up-regulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. This gene exhibits a lower level of expression in testicular cancer tissues than in normal tissues. The protein encoded by this gene has structural similarity to prostatic and lysosomal acid phosphatases. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq |
| **Other Designations** | testicular acid phosphatase |

## Pathway

- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism