

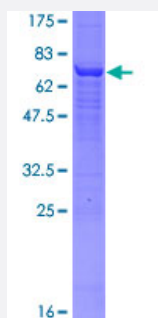
Full-Length

ACPP (Human) Recombinant Protein (P01)

Catalog # H00000055-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACPP full-length ORF (NP_001090.2, 1 a.a. - 386 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRAAPLLLARAASLSLGLFLLFFWLDRSVLAKELKFVTLVFRHGDRSPIDTFPTDPIKESSWPQG
FGQLTQLGMEQHYELGEYIRKRYRKFLNESYKHEQVYIRSTVDRTLMSAMTNLAALFPPEGVSW
NPILLWQPIPVHTVPLSEDQLLYLPFRNCPRFQELESETLKSEEFQKRLHPYKDFIATLGKLSGLHG
QDLFGWSKVYDPLYCESVHNFTLPSWATEDMTKLRELSELSLLSLYGIHKQKEKSRLQGGVLV
NEILNHMKRATQIPSYKKLIMYSAHDTTVSGLQMALDVYNGLLPPYASCHLTELYFEKGEYFVEMYY
RNETQHEPYPLMLPGCSPSCPLERFAELVGPVIPQDWSTECMTTNSHQGTEDSTD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71

Interspecies Antigen Sequence

Mouse (82); Rat (81)

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.

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 — ACP

Entrez GeneID[55](#)**GeneBank Accession#**[NM_001099.2](#)**Protein Accession#**[NP_001090.2](#)**Gene Name**

ACPP

Gene Alias

ACP-3, ACP3, PAP

Gene Description

acid phosphatase, prostate

Omim ID[171790](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

prostatic acid phosphatase

Pathway

- [gamma-Hexachlorocyclohexane degradation](#)
- [Riboflavin metabolism](#)

Disease

- [Tobacco Use Disorder](#)