

## Active Recombinant Mouse Acpp Protein, His-tagged

**Cat. No.** Acpp-042M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Prostatic Acid Phosphatase/ACPP protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Mouse
<b>Source</b>	Insect cells
<b>Description</b>	A non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma.
<b>Form</b>	Liquid
<b>Bio-activity</b>	Specific activity is >80,000 unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 5.0 at 37 centigrade.
<b>Molecular Mass</b>	41.3 kDa
<b>AA Sequence</b>	KELKFVTLVFRHGDGRGPIETFPTDPITESSWPQGFGQLTQWGMEQHYELGSYIRKR YGRFLNDTYKHDQIYIRSTDVRTLMSAMTNLAALFPPEGISIWNPRLWQPIPVHTV SLSEDRLLYLPRDCRPFEEELKSETLESEFLKRLHPYKSFLDTLSSLSGFDDQDLFG IWSKVYDPLFCESVHNFTLPSWATEDAMIKLKELSELSLLSLYGIHKQKEKSRLQGGV

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LVNEILKNMKLATQPQKYKCLVMYSAHDTTVSGLQMALDVYNGVLPPYASCHMMEL  
 YHDKGGHFVEMYRNETQNEPYPLTLPGCTHSCPLEKFAELLDPVISQDWATECMA  
 TSSHQGRN

**Endotoxin** < 1 EU/μg of protein (determined by LAL method)

**Purity** > 95% by SDS-PAGE

**Applications** SDS-PAGE, Enzyme Activity

**Storage** Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -121 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/mL (determined by Absorbance at 280nm)

**Storage Buffer** Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

## GENE INFORMATION

**Gene Name** [Acpp acid phosphatase, prostate \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Acpp](#)

**Synonyms** Acpp; acid phosphatase, prostate; Lap; PAP; Acp3; FRAP; Ppal; 5'-NT; A030005E02Rik; prostatic acid phosphatase; 5'-nucleotidase; TMPase; acid phosphatase 3; ecto-5'-nucleotidase; fluoride-resistant acid phosphatase; lysosomal acid phosphatase; thiamine monophosphatase; EC 3.1.3.2; EC 3.1.3.5

**Gene ID** [56318](#)

**mRNA Refseq** [NM\\_019807](#)

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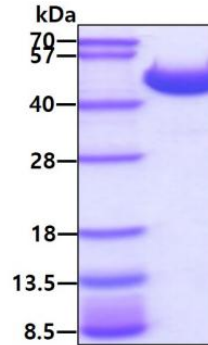
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**Protein Refseq** NP\_062781

**UniProt ID** Q8CE08

**SDS-PAGE**



3  $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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