

Recombinant Mouse ACPD Protein, His-tagged

Cat. No. ACPD-951M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse ACPD isoform 1 (Q8CE08-1) (Met1-Arg 381) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-381 a.a.
Predicted N Terminal	Lys 32
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse ACPD consists of 361 amino acids and predicts a molecular mass of 42 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmACPD is approximately 47 KDa as a result of glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>98 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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

Official Symbol [ACPP](#)

Synonyms ACPP; acid phosphatase, prostate; prostatic acid phosphatase; TMPase; 5-nucleotidase; ecto-5-nucleotidase; thiamine monophosphatase; lysosomal acid phosphatase; fluoride-resistant acid phosphatase; Lap; PAP; FRAP; Ppal; 5-NT; A030005E02Rik;

Gene ID [56318](#)

mRNA Refseq [NM_019807](#)

Protein Refseq [NP_062781](#)

MIM

UniProt ID

Pathway NAD phosphorylation and dephosphorylation, organism-specific biosystem; NAD salvage pathway II, organism-specific biosystem; Riboflavin metabolism, organism-specific biosystem; Riboflavin metabolism, conserved biosystem; phosphate acquisition, organism-sp

Function 5-nucleotidase activity; acid phosphatase activity; acid phosphatase activity; choline binding; hydrolase activity; protein homodimerization activity;

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