Recombinant Rat Acp3 Protein, His-tagged

Cat. No. Acp3-2731R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Acp3 Protein (Val4-Ile418) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val4-Ile418
Description	Enables acid phosphatase activity; choline binding activity; and protein homodimerization activity. Involved in dephosphorylation. Located in Golgi cisterna; apical part of cell; and cytoplasmic vesicle. Human ortholog(s) of this gene implicated in prostate cancer. Orthologous to human ACP3 (acid phosphatase 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.1 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Acp3 acid phosphatase 3 [Rattus norvegicus (Norway rat)]
Official Symbol	Acp3
Synonyms	Acp3; acid phosphatase 3; pap; Acpp; FRAP; Ppal; 5'-NT; Acpp11; RNACPP11; prostatic acid phosphatase; 5'-nucleotidase; TMPase; acid phosphatase, prostate; ecto-5'-nucleotidase; fluoride-resistant acid phosphatase; prostatic acid phosphatase (rPAP); protein tyrosine phosphatase ACP3; thiamine monophosphatase; EC 3.1.3.2; EC 3.1.3.48; EC 3.1.3.5
Gene ID	56780
mRNA Refseq	NM_001134901
Protein Refseq	NP_001128373
UniProt ID	P20646

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