

## Recombinant Mouse Prkca protein, His & S-tagged

Cat. No. Prkca-1971M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Prkca aa. (Phe339~Phe597 (Accession # P20444)) fused with N-terminal His & S tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Phe339~Phe597
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35.2 kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Characteristic</b>	The isoelectric point is 5.6.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage Buffer**

Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

[Prkca protein kinase C, alpha \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Prkca](#)

**Synonyms**

Cyp40; 25-OHD-1 alpha-hydroxylase; 25-hydroxyvitamin D(3) 1-alpha-hydroxylase; P450C1 alpha; P450VD1-alpha; VD3 1A hydroxylase  
 calcidiol 1-monooxygenase; cytochrome P450 subfamily XXVIIIB (25-hydroxyvitamin D-1-alpha-hydroxylase) polypeptide 1; cytochrome P450 subfamily XXVIIIB polypeptide 1; cytochrome P450, 40 (25-hydroxyvitamin D3 1 alpha-hydroxylase); cytochrome P450, subfamily 27b, polypeptide 1; cytochrome P450C1 alpha; cytochrome P450VD1-alpha; cytochrome p450 27B1; 25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial

**Gene ID**

[18750](#)

**mRNA Refseq**

[NM\\_011101.3](#)

**Protein Refseq**

[NP\\_035231.2](#)

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UniProt ID

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