

Recombinant Mouse Prkca protein, His & S-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Prkca aa. (Phe339~Phe597 (Accession # P20444)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Phe339~Phe597
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.2 kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
caldiol 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

P20444

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