# Recombinant Mouse Prkca protein, His & S-tagged

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

## SPECIFICATION

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| **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 |

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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

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| **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 XXVIIB (25-hydroxyvitamin D-1-alpha-hydroxylase) polypeptide 1; cytochrome P450 subfamily XXVIIB 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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