

Recombinant Mouse Prkaca Protein, Myc/DDK-tagged

Cat. No. Prkaca-5111M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein kinase, cAMP dependent, catalytic, alpha (Prkaca), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the serine/threonine protein kinase family. The holoenzyme, protein kinase A (also known as cyclic-AMP dependent protein kinase), mediates cellular response to changes in cyclic-AMP levels. This gene encodes the alpha catalytic subunit of protein kinase A. Protein kinase A-mediated signaling is transduced via phosphorylation of target proteins, and is important for many cellular functions, including mammalian sperm maturation and motility. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on the X chromosome.
Molecular Mass	41 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Prkaca protein kinase, cAMP dependent, catalytic, alpha [Mus musculus (house mouse)]

Official Symbol Prkaca

Synonyms PRKACA; protein kinase, cAMP dependent, catalytic, alpha; cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; cAMP-dependent protein kinase catalytic subunit C alpha 2; Cs; PKA; PKCD; Pkaca

Gene ID 18747

mRNA Refseq NM_008854

Protein Refseq NP_032880

UniProt ID P05132

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