Recombinant Full Length Mouse Prkar1a Protein, Myc/DDK-tagged

Cat. No. Prkar1a-5114M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein kinase, cAMP dependent regulatory, type I, alpha (Prkar1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
ProteinLength	1-381 a.a.
Description	The encoded protein is a regulatory subunit of the cAMP-dependent protein kinase (PKA) complex, which is responsible for transducing most of the cAMP signals in eukaryotic cells. The inactive PKA complex contains two regulatory and two catalytic subunits. Binding of cAMP dissociates the complex, allowing monomeric catalytic subunits to phosphorylate cytosolic proteins or induce gene expression in the nucleus. Several transcript variants encoding the same protein have been found for this gene.
Molecular Mass	43.6 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Prkar1a protein kinase, cAMP dependent regulatory, type I, alpha [Mus musculus (house mouse)]
Official Symbol	Prkar1a
Synonyms	PRKAR1A; protein kinase, cAMP dependent regulatory, type I, alpha; cAMP-dependent protein kinase type I-alpha regulatory subunit; protein kinase, cAMP dependent regulatory, type 1, alpha; Tse1; Tse-1; RIalpha; 1300018C22Rik
Gene ID	19084
mRNA Refseq	NM_021880
Protein Refseq	NP_068680
UniProt ID	Q9DBC7

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