

Recombinant Mouse Prkra Protein, Myc/DDK-tagged

Cat. No. Prkra-5127M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein kinase, interferon inducible double stranded RNA dependent activator (Prkra), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for siRNA production by DICER1 and for subsequent siRNA-mediated post-transcriptional gene silencing. Does not seem to be required for processing of pre-miRNA to miRNA by DICER1. Activates EIF2AK2/PKR in the absence of double-stranded RNA (dsRNA), leading to phosphorylation of EIF2S1/EIF2-alpha and inhibition of translation and induction of apoptosis. Promotes UBC9-p53/TP53 association and sumoylation and phosphorylation of p53/TP53 at 'Lys-386' at 'Ser-392' respectively and enhances its activity in a EIF2AK2/PKR-dependent manner.
Molecular Mass	34.4 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 Prkra protein kinase, interferon inducible double stranded RNA dependent activator [Mus musculus (house mouse)]

Official Symbol Prkra

Synonyms PRKRA; protein kinase, interferon inducible double stranded RNA dependent activator; interferon-inducible double stranded RNA-dependent protein kinase activator A; PKR-associated protein X; PKR-associating protein X; protein activator of the interferon-induced protein kinase; protein kinase, interferon-inducible double stranded RNA-dependent activator; PRK; RAX; Pact; lear; AV120107

Gene ID 23992

mRNA Refseq NM_011871

Protein Refseq NP_036001

UniProt ID Q9WTX2

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