

Interferon-inducible double stranded RNA-dependent protein kinase activator A (PRKRA) Recombinant Protein | PRKRA recombinant protein

Recombinant Bovine Interferon-inducible double stranded RNA-dependent protein kinase activator A (PRKRA)

CATALOG # AAA117370	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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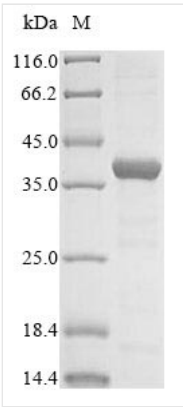
PRODUCT SYNONYMS

Interferon-inducible double stranded RNA-dependent protein kinase activator A (PRKRA); Recombinant Bovine Interferon-inducible double stranded RNA-dependent protein kinase activator A (PRKRA); PRKRA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-313aa; Full Length
Sequence	MSQSRHRAAA PPMEREDSGT FSLGKMITAK PGKTPIQVLH EYGMKTKNIP VYECERSDVQ IHVPTFTFRV TVGDITCTGE GTSKKLAKHR AAEEAINLK ANASICFAVP DPLMPDPSKQ PKNQLNPIGS LQELAIHHGW RLPEYTLSQE GGPAHKREYT TICRLESFME TGKGASKKQA KRNAAEKFLA KFSNISPENH ISLTNMVGHS LGCTWHSRLN SPGEKINLLK RSLLSIPNTD YIQLLSEIAK EQGFNITYLD IEELSANGQY QCLAELSTSP ITVCHGSGIS CSSAQSDAAH NALQYLKIIA ERK
Sequence Length	313
Species	Bos taurus (Bovine)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PRKRA recombinant protein	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. 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. 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
Product Categories/Family for PRKRA recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	114052769
NCBI GeneID	282875
NCBI Accession #	NP_001039335.1
NCBI GenBank Nucleotide #	NM_001045870.1
UniProt Accession #	Q2HJ92
Molecular Weight	39.4 kDa
NCBI Official Full Name	interferon-inducible double-stranded RNA-dependent protein kinase activator A
NCBI Official Synonym Full Names	protein activator of interferon induced protein kinase EIF2AK2
NCBI Official Symbol	PRKRA
NCBI Official Synonym Symbols	PACT
NCBI Protein Information	interferon-inducible double-stranded RNA-dependent protein kinase activator A
UniProt Protein Name	Interferon-inducible double-stranded RNA-dependent protein kinase activator A
UniProt Gene Name	PRKRA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.