

Datasheet for ABIN7556252
PRKRA Protein (AA 1-313) (His tag)



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Overview

Quantity:	1 mg
Target:	PRKRA
Protein Characteristics:	AA 1-313
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKRA protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Prkra Protein expressed in mammalian cells.
Sequence:	MSHSRHRAEA PPLQREDSGT FSLGKMITAK PGKTPIQVLH EYGMKTKNIP VYECERSDVQ VHVPTFTFRV TVGDITCTGE GTSKKLAKHR AAEEAINILK ANASICFAVP DPLMPDPSKQ PKNQLNPIGS LQELAIHHGW RLPEYTLSQE GPPAHKREYT TICRLESFME TGKGASKKQA KRNAAEKFLA KFSNISPENH ISLTNVVGHS LGCTWHSLRN SPGEKINLLK RSLLSLPNTD YIQLLSEIAS EQGFNITYLD IEELSANGQY QCLAELSTSP ITVCHGSGIS CGNAQSDAAH NALQYLKIIA ERK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	PRKRA
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Alternative Name:	Prkra (PRKRA Products)
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Background:	Interferon-inducible double-stranded RNA-dependent protein kinase activator A (PKR-associated protein X) (PKR-associating protein X) (RAX) (Protein activator of the interferon-induced protein kinase) (Protein kinase, interferon-inducible double-stranded RNA-dependent activator),FUNCTION: 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 (By similarity). 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. {ECO:0000250, ECO:0000269 PubMed:10336432, ECO:0000269 PubMed:22214662}.
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Molecular Weight:	34.4 kDa
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UniProt:	Q9WTX2
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Target Details

Pathways: [Regulatory RNA Pathways](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
