

Datasheet for ABIN7550986

## PRKX Protein (AA 1-358) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	PRKX
Protein Characteristics:	AA 1-358
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKX protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat PRKX Protein expressed in mammalian cells.
Sequence:	<p>MEAPGLAQAA AAESDSRKVA EETPDGAPAL CPSPEALSPE PPVYSLQDFD TLATVGTGTF            GRVHLVKEKT AKHFFALKVM SIPDVIRLKQ EQHVNHEKSV LKEVSHPFLL RLFWTWHDER            FLYMLMEYVP GGELFSYLRN RGRFSSTTGL FYSAEIIICAI EYLHSKEIVY RDLKPENILL            DRDGHKLTLD FGFAKKLVDR TWTLCGTPEY LAPEVIQSKG HGRAVDWWAL GILIFEMLSG            FPPFFDDNPF GIYQKILAGK IDFPRLDFH VKDLIKLLV VDRTRRLGNM KNGANDVKHH            RWFRSVDWEA VPQRKLKPPV VPKIAGDGGT SNFETYPEND WDAAAPVPQK DLEIFKNF</p> <p><b>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.</b></p>
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, Western Blot
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Grade:	custom-made
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## Target Details

Target:	PRKX
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Alternative Name:	PRKX ( <a href="#">PRKX Products</a> )
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Background:	CAMP-dependent protein kinase catalytic subunit PRKX (PrKX) (Protein kinase X) (Protein kinase X-linked) (Serine/threonine-protein kinase PRKX) (EC 2.7.11.1) (Protein kinase PKX1),FUNCTION: Serine/threonine protein kinase regulated by and mediating cAMP signaling in cells. Acts through phosphorylation of downstream targets that may include CREB, SMAD6 and PKD1 and has multiple functions in cellular differentiation and epithelial morphogenesis. Regulates myeloid cell differentiation through SMAD6 phosphorylation. Involved in nephrogenesis by stimulating renal epithelial cell migration and tubulogenesis. Also involved in angiogenesis through stimulation of endothelial cell proliferation, migration and vascular-like structure formation. {ECO:0000269 PubMed:12082174, ECO:0000269 PubMed:16236808, ECO:0000269 PubMed:16491121, ECO:0000269 PubMed:17980165, ECO:0000269 PubMed:19367327, ECO:0000269 PubMed:21684272, ECO:0000269 PubMed:9860982}.
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Molecular Weight:	40.9 kDa
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UniProt:	<a href="#">P51817</a>
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## Target Details

Pathways: [Thyroid Hormone Synthesis](#)

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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