

Datasheet for ABIN7560237
PRKX Protein (AA 1-355) (His tag)



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Overview

Quantity:	1 mg
Target:	PRKX
Protein Characteristics:	AA 1-355
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MEPPAGAAAT VKDPDHDPVK TKVSAPAADP KPRTSSQKAG HSLQDWDITIA TVGTGTFGRV NLVKEKTGRQ YCALKIMSIP DVIRLKQEQH VQNEKAVLKE INHPFLIKLL WTGHDNRFLY MLMEFVPGGE LFTYLRNRGR FSSVASVFYA TEIVCAIEYL HSKEIVYRDL KPENILLDRE GHIKLTDFGF AKKLVDRTWT LCGTPEYLAP EVIQSKGHGR AVDWWALGIL IFEMLSGFPP FFDDNPFGIY QKILACKIDF PRQLDFTSKD LIKKLLVVDR TRRLGNMKNG AEDIKRHRWF RGVEWESVPQ RKLKPPIVPK LSGDGDISNF ETYPESELDK TPSVSDKDLE TFKNF 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.</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
Grade:	custom-made

Target Details

Target:	PRKX
Alternative Name:	Prkx (PRKX Products)
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) (PKA-related protein kinase),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:16236808, ECO:0000269 PubMed:19367327, ECO:0000269 PubMed:21684272}.
Molecular Weight:	40.5 kDa
UniProt:	Q922R0
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.
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Restrictions:	For Research Use only
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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