

PRKX recombinant protein

PRKX, Active

CATALOG # AAA73883	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PRKX; Active; PKX1; PRKX recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PRKX recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PRKX recombinant protein	Full-length recombinant human PRKX was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005044. PRKX is a serine/threonine protein kinase that is closely related to the catalytic subunit of the cAMP-dependent protein kinase. PRKX regulates epithelial morphogenesis during mammalian kidney development and PRKX expression markedly activates migration of cultured renal epithelial cells in the presence of cAMP. Aberrant adult kidney expression of PRKX is found in autosomal dominant polycystic kidney disease (1). PRKX is involved in macrophage and granulocyte maturation. Abnormal recombination between PRKX and a related pseudogene on chromosome Y is a frequent cause of sex reversal disorder in XX males and XY females (2).
Product Categories/Family for PRKX recombinant protein	Protein Kinases ; Apoptosis/Autophagy ; Cardiovascular Disease ; ERK/MAPK Pathway ; Inflammation ; Invasion/Metastasis ; Metabolic Disorder ; Neurobiology ; NfκB Pathway ; PKA/PKC Pathway ; Ser/Thr Kinases
References	- Li, X. et al: PRKX, a phylogenetically and functionally distinct cAMP-dependent protein kinase, activates renal epithelial cell migration and morphogenesis. Proc. Nat. Acad. Sci. vol. 99, 9260-9265, 2002. - Klink, A. et al: The human protein kinase gene PKX1 on Xp22.3 displays Xp/Yp homology and is a site of chromosomal instability. Hum. Molec. Genet. vol. 4, 869-878, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005044
Molecular Weight	~73kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/prkx-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73883>