## **Recombinant Human PRKX Kinase**

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Catalog No.: RP03409LQ Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 5613 P51817

**Tags** 

N-GST

#### **Synonyms**

PRKX; PKX1; PrKX; Protein kinase X; Protein kinase X-linked; Serine/threonine-protein kinase PRKX; cAMP-dependent protein kinase catalytic subunit PRKX

#### **Product Information**

# Source Purification

Baculovirus-Insect Cells

≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

## Calculated MW Observed MW

67.4 kDa 65-75 kDa

#### **Endotoxin**

< 1 EU/ $\mu g$  of the protein by LAL method.

## **Formulation**

Supplied as a 0.22  $\mu$ m filtered solution in 20 mM Tris-HCl, 150 mM NaCl, 1 mM DTT, 5% glycerol. (pH 7.5). Contact us for customized product form or formulation.

## Reconstitution

Please use running water to thaw it quickly.

### **Contact**

<u>a</u>	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

## **Background**

Protein kinase, X-linked is a protein that in humans is encoded by the PRKX gene. This gene encodes a serine threonine protein kinase that has similarity to the catalytic subunit of cyclic AMP dependent protein kinases. The encoded protein is developmentally regulated and may be involved in renal epithelial morphogenesis. This protein may also be involved in macrophage and granulocyte maturation. Abnormal recombination between this gene and a related pseudogene on chromosome Y is a frequent cause of sex reversal disorder in XX males and XY females. Pseudogenes of this gene are found on chromosomes X, 15 and Y. Mouse ortholog for this gene, Prkx, is also known as Pkare.

## **Basic Information**

#### **Description**

Recombinant Human PRKX Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Phe358) of Human PRKX (Accession #P51817) fused with a N-GST tag.

#### **Bio-Activity**

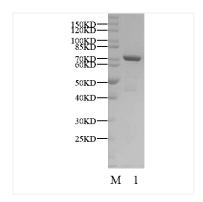
The activity of PRKX is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

#### Storage

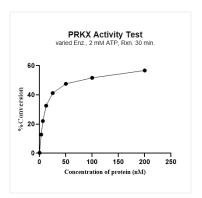
Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10  $\mu\text{L}$  are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Recombinant Human PRKX Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



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