Recombinant Human PRKX Kinase

Catalog No.: RP03409LQ

Sequence Information

Species
Human

Gene ID
5613

Swiss Prot
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
Baculovirus-Insect Cells

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

Calculated MW
67.4 kDa

Observed MW
65-75 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm 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.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

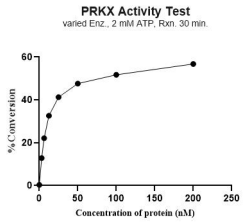
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

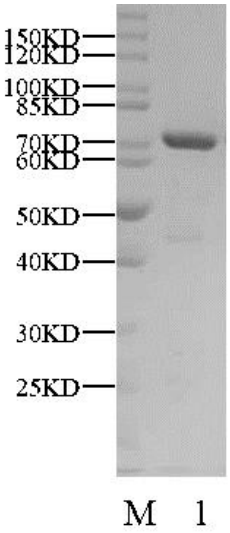
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



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.



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

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