

Recombinant Human PKC nu/PRKD3 Kinase

Catalog No.: RP03365LQ

Sequence Information

Species **Gene ID**
Human 23683

Swiss Prot **Tags**
O94806 N-GST

Synonyms

PRKD3; PKD3; EPK2; PRKCN;
Protein kinase C nu type; Protein
kinase EPK2; nPKC-nu; PKC nu

Product Information

Source **Purification**
Baculovirus- ≥ 85% as
Insect Cells determined by
SDS-PAGE; ≥
85% as
determined by
HPLC.

Calculated MW **Observed MW**
127.0 kDa 100-130 kDa

Endotoxin

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

Formulation

Supplied as a 0.22 μm filtered
solution in 50 mM Tris-HCl, 150
mM NaCl, 20% glycerol, 5 mM DTT,
0.1 M Trehalose. (pH 7.5). Contact
us for customized product form or
formulation.

Reconstitution

Please use running water to thaw
it quickly.

Background

Serine/threonine-protein kinase D3 (PKD3) or PKC-nu is an enzyme that in humans is encoded by the PRKD3 gene. PRKD3 / PRKCN converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. It is involved in resistance to oxidative stress. PRKD3 / PRKCN is activated by DAG and phorbol esters. Phorbol-ester/DAG-type domains 1 and 2 bind both DAG and phorbol ester with high affinity and mediate translocation to the cell membrane.

Basic Information

Description

Recombinant Human PKC nu/PRKD3 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Pro890) of Human PRKD3 (Accession #O94806) fused with a N-GST tag.

Activity

The activity of PRKD3 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°C

Operational Notes

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

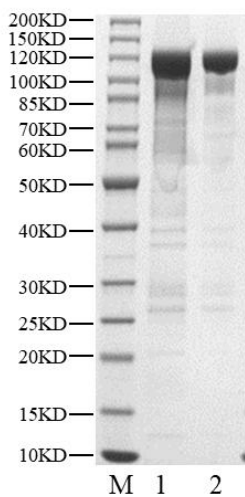
Contact

☎ | 400-999-6126

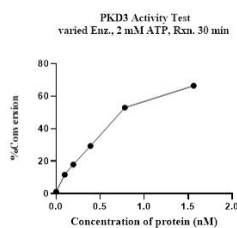
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Validation Data



Recombinant Human PKC nu/PRKD3 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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