

Recombinant Human PRKD2 Kinase

Catalog No.: RP03439LQ

Sequence Information

Species	Gene ID
Human	25865
Swiss Prot	Tags
Q9BZL6	N-His-GST

Synonyms

PRKD2; PKD2; HSPC187; nPKC-D2; Serine/threonine-protein kinase D2; Protein Kinase D2

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Calculated MW	Observed MW
124.3 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 D2 or PKD2 is an enzyme that in humans is encoded by the PRKD2 gene. The protein encoded by this gene belongs to the protein kinase D (PKD) family of serine/threonine protein kinases, a subfamily of protein kinase C. This kinase can be activated by phorbol esters as well as by gastrin via the cholecystokinin B receptor (CCKBR) in gastric cancer cells. It can bind to diacylglycerol (DAG) in the trans-Golgi network (TGN) and may regulate basolateral membrane protein exit from TGN. Alternative splicing results in multiple transcript variants encoding different isoforms.

Basic Information

Description

Recombinant Human PRKD2 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ala2-Leu878) of Human PRKD2 (Accession #Q9BZL6) fused with a N-His-GST tag.

Activity

The activity of PRKD2 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.

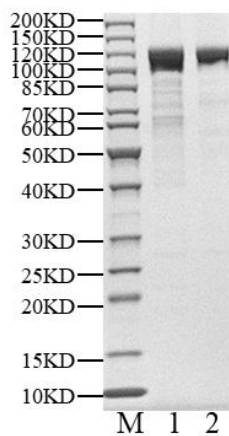
Contact

☎ | 400-999-6126

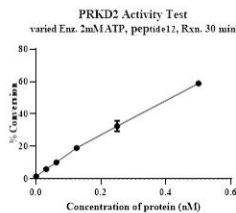
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Validation Data



Recombinant Human PRKD2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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