Recombinant Human PKC mu/PRKD1 Kinase

Catalog No.: RP03424LQ

Sequence Information

Species
Human

Gene ID
5587

Swiss Prot
Q15139

Tags
N-His-GST

Synonyms
PRKD1; PKD; PKD1; PRKCM; nPKC-D1; nPKC-mu; Protein kinase D; Protein kinase C mu type; Serine/threonine-protein kinase D1

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
129.3 kDa

Observed MW
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, 500 mM NaCl, 5% glycerol, 5 mM DTT, 0.1M 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 D1 is an enzyme that in humans is encoded by the PRKD1 gene. Members of the protein kinase D (PKD) family function in many extracellular receptor-mediated signal transduction pathways. The PRKCM gene encodes a cytosolic serine-threonine kinase that binds to the trans-Golgi network and regulates the fission of transport carriers specifically destined to the cell surface.

Basic Information

Description
Recombinant Human PKC mu/PRKD1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Leu912) of Human PRKD1 (Accession #Q15139) fused with a N-His-GST tag.

Activity
The activity of PRKD1 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℃

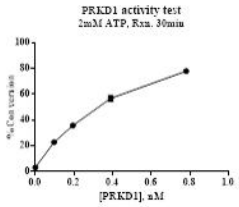
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

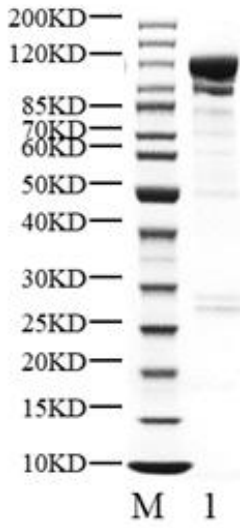
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Validation Data



The activity of PRKD1 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 PKC mu/PRKD1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.

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