

Catalog No.: RP03424LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	5587	O15139

Tags
N-His-GST

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

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

Calculated MW	Observed MW
129.3 kDa	100-130 kDa

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

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.

Please use running water to thaw it quickly.

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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.

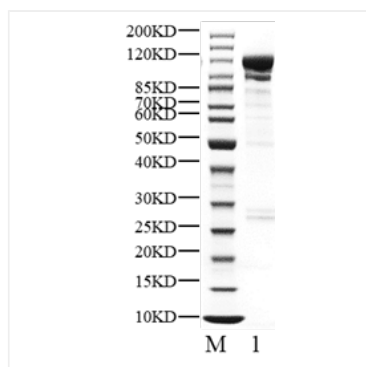
Recombinant Human PKC mu/PRKD1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Leu912) of Human PRKD1 (Accession #015139) fused with a N-His-GST tag.

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.

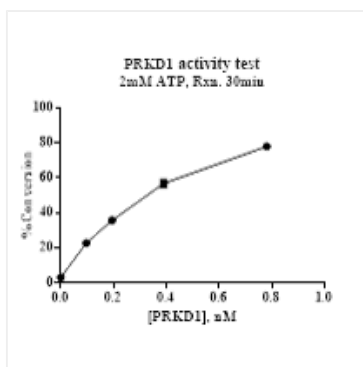
Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

Validation Data



Recombinant Human PKC mu/PRKD1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



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