

Recombinant Mouse PKC delta/PRKCD Protein (His & GST Tag)



Catalog Number:PKSM040304

Note: Centrifuge before opening to ensure complete recovery of vial contents.

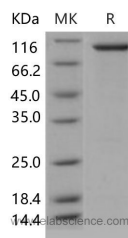
Description

| | |
|------------------------------------|-------------------------------------------|
| Synonyms | AI385711;D14Ertd420e;Pkcd;PKCdelta;PKC[d] |
| Species | Mouse |
| Expression Host | Baculovirus-Insect Cells |
| Sequence | Met1-Ile674 |
| Accession | P28867-1 |
| Calculated Molecular Weight | 106 kDa |
| Observed molecular weight | 106 kDa |
| Tag | N-His-GST |

Properties

| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity | > 93 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg as determined by the LAL method. |
| Storage | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| Shipping | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C. |
| Formulation | Supplied as sterile 20mM Tris, 500mM NaCl, pH 8.0 |
| Reconstitution | Not Applicable |

Data



Background

PRKCD, a novel member of the *pkc* gene family, maps to human chromosome 3. Protein kinase C (PKC) delta (PRKCD) is a member of the novel PKC subfamily that regulates gene expression in bovine trophoblast cells. Protein kinase C delta (PRKCD) initiates this process by phosphorylating FBXO25 and HAX-1, thereby spatially directing nuclear FBXO25 to mitochondrial HAX-1. PRKCD may suppress macroautophagy/autophagy, a cytoprotective mechanism, to promote kidney tubule cell death during cisplatin treatment. Interestingly, PRKCD may do so by phosphorylating AKT, which further phosphorylates MTOR to repress ULK1.

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