



Recombinant Protein Technical Manual

Recombinant Mouse PKC delta/PRKCD Protein (His
& GST Tag)
RPES0648

Product Data:

Product SKU: RPES0648

Size: 20µg

Species: Mouse

Expression host: Baculovirus-Insect Cells

Uniprot: P28867

Protein Information:

Molecular Mass: 106 kDa

AP Molecular Mass: 106 kDa

Tag: N-His-GST

Bio-activity:

Purity: > 93 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein 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: Please refer to the printed manual for detailed information.

Application:

Synonyms: AI385711;D14Ertd420e;Pkcd;PKCdelta;PKC[d]

Immunogen Information:

Sequence: Met 1-Ile 674

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 Cdelta (PRKCD) initiates this process by phosphorylating FBXO25 and HAX, thereby spatially directing nuclear FBXO25 to mitochondrial HAX. 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.