

Recombinant Human PRKD2 / PKD2 Protein (His & GST tag)

Cat.NO.: TP08484

3th Edition

Synonyms:HSPC187;nPKC-D2;PKD2

Description:Serine/threonine-protein kinase D2, also known as PRKD2 and PKD2, is a cytoplasm and membrane protein which belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and PKD subfamily. PRKD2 / PKD2 is widely expressed. It contains one PH domain, two phorbol-ester/DAG-type zinc fingers and one protein kinase domain. PRKD2 / PKD2 is activated by DAG and phorbol esters. Phorbol-ester/DAG-type domains bind DAG, mediating translocation to membranes. Autophosphorylation of Ser-710 and phosphorylation of Ser-706 by PKC relieves auto-inhibition by the PH domain. PRKD2 / PKD2 converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress.

Form:PBS

Molecular Weight:124 kDa

Sequences:Met 1-Leu 878

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.