

## 32-13709: PRKCI Human

**Format :** The PRKCI solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).  
**Alternative Name :** DXS1179E, nPKC-iota, PKCI, aPKC-lambda/iota, PRKC-lambda/iota, PRKCL, Protein kinase C iota type, Protein Kinase C iota, Atypical protein kinase C-lambda/iota, PRKCI.

### Description

Source: HEK293 Cells.

Physical Appearance: Sterile Filtered colorless solution.

Biological Activity: null

PRKCI, AKAPKC iota, is part of serine/threonine protein kinases family. It takes a key regulatory role in a number of cellular functions including hormone secretion, cell growth differentiation, and gene expression. It is involved in cell polarization processes and the formation of epithelial tight junctions. This protein kinase is calcium-independent and phospholipid-dependent. It is also implicated in the activation of several signal-pathways such as Ras, and NF-kappa-B, c-Src pathways.

PRKCI Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (1-596 a.a) containing a total of 602 amino acids, having a molecular mass of 69kDa. PRKCI is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 2 µg  
**Purification :** Greater than 80.0% as determined by SDS-PAGE.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MPTQRDSSTM SHTVAGGGSG DSHQVRVKA YYRGDIMITH FEPSISFEGL CNEVRDMCSF  
DNEQLFTMKW IDEEGDPCTV SSQLEEEAF RLYELNKDSE LLIHVFCVP ERPGMPCPGE DKSIYRRGAR  
RWRKLYCANG HTFQAKRFNR RAHCAICTDR IWGLGRQGYK CINCKLLVHK KCHKLVITIEC GRHSLPQEPV  
MPMDQSSMHS DHAQTVIPYN PSSHESLDQV GEEKEAMNTR ESGKASSSLG LQDFDLLRVI GRGSYAKVLL  
VRLKKTDRY AMKVVKKELV NDDDEDWVQ TEKHVFEQAS NHPFLVGLHS CFQTESRLFF VIEYVNGGDL  
MFHMQRQRKL PEEHARFYSA EISLALNYLH ERGIIYRDLK LDNVLLDSEG HIKLTDY GMC KEGLRPGD TT  
STFCGTPNYI APEILRGEDY GFSVDWWALG VLMFEMMAGR SPFDIVGSSD NPDQNTEDYL FQVILEKQIR  
IPRSLSVKAA SVLKSFLNKD PKERLGCHPQ TGFADIQGHF FFRNVDWDMM EQQVVPFFK PNISGEFGLD  
NFDSQFTNEP VQLTPDDDDI VRKIDQSEFE GFYINPLLM SAEECVHHHH HH