

Recombinant Human Protein Kinase C, Zeta

Cat. No. PRKCZ-657H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Protein Kinase C, Zeta is produced in <i>Insect cells</i> . MW=76-80 kDa.
Species	Human
Source	Insect Cells
Description	Protein kinase C, zeta (PKCζ) also known as PRKCZ is an enzyme which in humans is encoded by the PRKCZ gene. The PRKCZ gene encodes at least two alternative transcripts, the full-length PKCζ and an N-terminal truncated form PKMζ. The truncated PKMζ is thought to be responsible for maintaining long-term memories in the brain.
Purity	>75% (SDS-PAGE).
Physical Form	Buffered aqueous solution. Solution in 20 mM HEPES, pH 7.4; 2 mM EDTA, 2 mM EGTA, 5 mM DTT, 250 mM NaCl, 0.05% Triton X-100, and 50% glycerol.
Storage	-70°C. Shipped in wet ice.

GENE INFORMATION

Gene Name	PRKCZ protein kinase C, zeta [<i>Homo sapiens</i>]
Synonyms	PRKCZ; protein kinase C, zeta; PKC2; PKC-ZETA; EC 2.7.11.13; nPKC-zeta; Protein

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	kinase C zeta type
Gene ID	5590
mRNA Refseq	NM_001033581
Protein Refseq	NP_001028753
MIM	176982
UniProt ID	Q05513
Chromosome Location	1p36.33-p36.2
Pathway	Chemokine signaling pathway; Endocytosis; Insulin signaling pathway; Tight junction; Type II diabetes mellitus
Function	ATP binding; insulin receptor substrate binding; metal ion binding; nucleotide binding; phospholipase binding; potassium channel regulator activity; protein kinase C activity; transferase activity; zinc ion binding

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