

PKC zeta Recombinant Protein | PKCzeta recombinant protein

PKC zeta, Active

CATALOG # AAA73875	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PKC zeta; Active; PRKCZ; PKC2; PKCzeta recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PKCzeta recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PKCzeta recombinant protein	Recombinant full-length human PKCzeta was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002744. PKCzeta is an atypical isoform of the PKC family. PKCzeta is found in both particulate and soluble fractions and cannot be activated by phorbol ester. Overexpression of PKCzeta and subsequent phorbol ester treatment abolished phorbol ester-induced reduction in cell proliferation (1). Overexpression of PKCzeta also potentiates phorbol ester-induced mitogen-activated protein (MAP) kinase activation in a PKC-dependent manner. PKCzeta is an upstream modulator of p70S6K, an important regulator of cell proliferation (2).
Product Categories/Family for PKCzeta recombinant protein	Protein Kinases ; Apoptosis/Autophagy ; Cardiovascular Disease ; ERK/MAPK Pathway ; Neurobiology ; NfκB Pathway ; PKA/PKC Pathway ; Ser/Thr Kinases
References	- Kim, S.J. Et al: Phorbol ester effects in atypical protein kinase C zeta overexpressing NIH3T3 cells: possible evidence for crosstalk between protein kinase C isoforms. <i>Biochem Biophys Res Commun.</i> 1997 Aug 18;237(2):336-9. - Romanelli, A. et al: p70 S6 kinase is regulated by protein kinase Czeta and participates in a phosphoinositide 3-kinase-regulated signalling complex. <i>Mol Cell Biol.</i> 1999 Apr;19(4):2921-8.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002744
Molecular Weight	~93kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pkc-zeta-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73875>