

PKC epsilon Recombinant Protein | PKCepsilon recombinant protein

PKC epsilon, Active

CATALOG # AAA73863	HOST Sf9 insect cells	APPLICATIONS Western Blot
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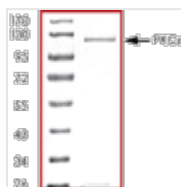
PRODUCT SYNONYMS

PKC epsilon; Active; PRKCE; MGC125656; MGC125657; nPKC-epsilon; PKCepsilon recombinant protein

PRODUCT SPECIFICATIONS

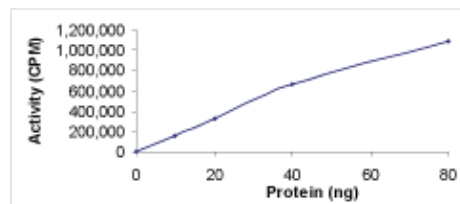
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PKCepsilon recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may 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 PKCepsilon recombinant protein	Recombinant full-length human PKC epsilon was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005400. PKCepsilon is a member of the protein kinase C (PKC) family of serine- and threonine-specific protein kinases that can phosphorylate a wide variety of protein targets known to be involved in diverse cellular signaling pathways. PKCepsilon is involved in many different cellular functions, such as neuron channel activation, cardioprotection from ischemia (1), heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macrophages and may control anxiety-like behavior (2).
Product Categories/Family for PKCepsilon recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cardiovascular Disease; ERK/MAPK Pathway; Neurobiology; NfκB Pathway; PKA/PKC Pathway; Ser/Thr Kinases

References

1. Chen, C H. et al: Cardioprotection from ischemia by a brief exposure to physiological levels of ethanol: role of epsilon protein kinase C. Proc. Nat. Acad. Sci. 96: 12784-12789, 1999.
2. Hodge, C W. et al: Decreased anxiety-like behavior, reduced stress hormones, and neurosteroid supersensitivity in mice lacking protein kinase C-epsilon. J. Clin. Invest. 110: 1003-1010, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005400
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Molecular Weight	~110kDa
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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-epsilon-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73863>