

PKAc gamma Recombinant Protein | PKAcgamma recombinant protein

PKAc gamma, Active

CATALOG # AAA73851	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PKAc gamma; Active; KAPG; PKAr; cAPK γ ; PRKACG; PKAcgamma 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 PKAcgamma 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 PKAcgamma recombinant protein	Recombinant full-length human PKAcγ was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002732. PKA C-gamma (PKAcgamma) is a third isoform of the catalytic subunit of cAMP-dependent protein kinase. It was isolated from a human testis cDNA library and was clearly derived from a gene distinct from C-alpha and C-beta and showed tissue-specific expression. Whereas at the amino acid level C-alpha and C-beta showed 93% homology, C-gamma showed only about 80% homology to both C-alpha and C-beta (1). The PRKACG gene is intronless, contains remnants of a poly(A) tail, is flanked by direct repeats, and is co-linear with the PRKACA gene(2).
Product Categories/Family for PKAcgamma recombinant protein	Protein Kinases ; Apoptosis/Autophagy ; Cardiovascular Disease ; ERK/MAPK Pathway ; Inflammation ; Invasion/Metastasis ; Metabolic Disorder ; Neurobiology ; NfκB Pathway ; PKA/PKC Pathway ; Ser/Thr Kinases
References	- Beebe, S. J. et al: Molecular cloning of a tissue-specific protein kinase (C gamma) from human testis--representing a third isoform for the catalytic subunit of cAMP-dependent protein kinase. <i>Molec. Endocr.</i> 4: 465-475, 1990. - Reinton, N. et al: The gene encoding the C gamma catalytic subunit of cAMP-dependent protein kinase is a transcribed retroposon. <i>Genomics</i> 49: 290-297, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002732
Molecular Weight	~65kDa

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/pkac-gamma-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73851>