

Recombinant Human PRKACG, GST-tagged, Active

Cat. No. PRKACG-396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PKA γ was expressed by baculovirus in Sf9 cell using an N-terminal GST tag. MW=65 kDa.
Species	Human
Source	Sf9 Cells
Description	PKA C-gamma (PKA γ) 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. 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.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°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.

GENE INFORMATION

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Gene Name	PRKACG protein kinase, cAMP-dependent, catalytic, gamma [Homo sapiens]
Synonyms	PRKACG; protein kinase, cAMP-dependent, catalytic, gamma; KAPG; PKACg; cAMP-dependent protein kinase catalytic subunit gamma; EC 2.7.11.11
Gene ID	5568
mRNA Refseq	NM_002732
Protein Refseq	NP_002723
UniProt ID	P22612
Chromosome Location	9q13
MIM	176893
Pathway	Apoptosis; Calcium signaling pathway; Chemokine signaling pathway; Dilated cardiomyopathy; Gap junction; GnRH signaling pathway; Hedgehog signaling pathway; Insulin signaling pathway; Melanogenesis; Long-term potentiation; Progesterone-mediated oocyte maturation; Wnt signaling pathway; Vibrio cholerae infection
Function	ATP binding; nucleotide binding; transferase activity; cAMP-dependent protein kinase activity; protein serine/threonine kinase activity; protein kinase binding