

Recombinant Human PRKACG

Cat. No. PRKACG-30211TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length PKA gamma (catalytic subunit) protein (Human), was expressed by baculovirus in Sf9 insect cells using a N-terminal tag, MW 65kDa.
Species	Human
Description	Cyclic AMP-dependent protein kinase (PKA) consists of two catalytic subunits and a regulatory subunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless and is thought to be a retrotransposon derived from the gene for the alpha form of the PKA catalytic subunit.
Tissue specificity	Testis specific. But important tissues such as brain and ovary have not been analyzed for the content of transcript.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. cAMP subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain.

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Full Length
Full L.

GENE INFORMATION

Gene Name

PRKACG protein kinase, cAMP-dependent, catalytic, gamma [Homo sapiens]

Official Symbol

PRKACG

Synonyms

PRKACG; protein kinase, cAMP-dependent, catalytic, gamma; cAMP-dependent protein kinase catalytic subunit gamma; PKACg;

Gene ID

5568

mRNA Refseq

NM_002732

Protein Refseq

NP_002723

MIM

176893

Uniprot ID

P22612

**Chromosome
Location**

9q13

Pathway

AMPK signaling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem;

Function

ATP binding; cAMP-dependent protein kinase activity; nucleotide binding; protein serine/threonine kinase activity;

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