Recombinant Human PRKACB, GST-tagged, Active

Cat. No. PRKACB-395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PKAcbeta was expressed by baculovirus in*Sf9 cell*susing an N-terminal GST tag. MW=65 kDa.
Species	Human
Source	Sf9 Cells
Description	The catalytic subunit C-beta of PKA (PKAcβ) is a member of the Ser/Thr protein kinase family (the PKA catalytic subunit consist of three gene products: C-alpha, C-beta, and C-gamma) and has been assigned to human chromosome region 1p36.1. PKAcβ is derived from a gene distinct from C-alpha and shows tissue-specific expression. At the amino acid level C-alpha and C-beta showed 93% homology.
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

Gene Name	PRKACB protein kinase, cAMP-dependent, catalytic, beta [Homo sapiens]

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Synonyms	PRKACB; protein kinase, cAMP-dependent, catalytic, beta; PKACB; MGC9320; MGC41879; DKFZp781I2452; PKACb; cAMP-dependent protein kinase catalytic subunit beta; EC 2.7.11.11; PKA C-beta
Gene ID	5567
mRNA Refseq	NM_002731
Protein Refseq	NP_002722
UniProt ID	P22694
Chromosome Location	1p36.1
MIM	176892
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; cAMP-dependent protein kinase inhibitor activity; protein serine/threonine kinase activity; protein kinase binding

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