

Recombinant Full Length Human PRKACA, GST-tagged, Active

Cat. No. PRKACA-394H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PKA α was expressed by baculovirus in Sf9 cell using an N-terminal GST tag. MW=69 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-351 a.a.
Description	The catalytic subunit C- α of PKA (PKA α) is a member of the Ser/Thr protein kinase family and has been assigned to chromosome region 19p13.1. Null mutation in PKA α leads to early postnatal lethality in the majority of C- α knockout mice. Surprisingly, a small percentage of C- α knockout mice, although runted, survived to adulthood. In these animals, compensatory increases in C- β levels occurred in brain whereas many tissues, including skeletal muscle, heart, and sperm, contained less than 10% of the normal PKA activity.
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PRKACA protein kinase, cAMP-dependent, catalytic, alpha [Homo sapiens]
Synonyms	PRKACA; protein kinase, cAMP-dependent, catalytic, alpha; PKACA; MGC48865; MGC102831; PKACa; cAMP-dependent protein kinase catalytic subunit alpha; EC 2.7.11.11; PKA C-alpha
Gene ID	5566
mRNA Refseq	NM_002730
Protein Refseq	NP_002721
UniProt ID	P17612
Chromosome Location	19p13.1
MIM	601639
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA