

Recombinant Xenopus Prkca, GST-tagged, Active

Cat. No. Prkca-397X **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant xenopus full-length PKCalpha was expressed by baculovirus in Sf9 cell/susing an N-terminal GST tag. MW=103 kDa.
Source	Sf9 Cells
Description	PKCα is a member of the protein kinase C (PKC) family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC-alpha has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. PKCα has been assigned to the chromosome region 17q22-q23.2 and has been identified as a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes.
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	prkca protein kinase C, alpha [Xenopus laevis]
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Synonyms	Prkca; protein kinase C, alpha; MGC82897; EC 2.7.11.1
Gene ID	447031
mRNA Refseq	NM_001093673
Protein Refseq	NP_001087142
Pathway	Calcium signaling pathway; ErbB signaling pathway; Focal adhesion; MAPK signaling pathway; Melanogenesis; Natural killer cell mediated cytotoxicity; Phosphatidylinositol signaling system; Tight junction; VEGF signaling pathway; Vascular smooth muscle contraction; Wnt signaling pathway

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