

Active Recombinant Full Length Human PRKCA Protein, Flag tagged

Cat. No. PRKCA-07HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant PRKCA protein was expressed in a baculovirus expression system as the full length protein (accession number NP_002728.2) with an N-terminal FLAG tag.
Species	Human
Source	Insect Cells
ProteinLength	1-672 aa
Description	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca²⁺ handling in myocytes.
Form	25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM

 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

	TCEP.
Molecular Mass	78.02 kDa
Purity	> 95%
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	> 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

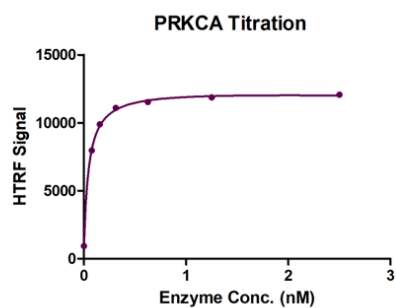
Gene Name	PRKCA protein kinase C, alpha [Homo sapiens (human)]
Official Symbol	PRKCA
Synonyms	PRKCA; protein kinase C, alpha; PKCA; protein kinase C alpha type; PKC-A; aging-ass centigradeiated gene 6; AAG6; PRKACA; PKC-alpha; MGC129900; MGC129901;
Gene ID	5578
mRNA Refseq	NM_002737
Protein Refseq	NP_002728
MIM	176960
UniProt ID	P17252

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

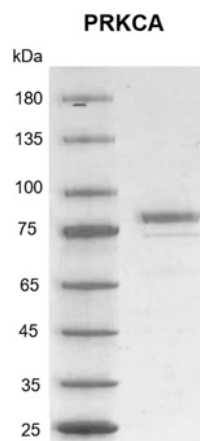
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Activity



SDS-PAGE and WB



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