

# PE-04AOQ85-P

## PKACa (193-201) pT196+pT198 Peptide Powder

11-mer immunogen and phosphatase substrate phosphopeptide based on PRKACA



# KINEXUS

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### Target Protein

<b>Name Long:</b>	cAMP-dependent protein kinase catalytic subunit alpha
<b>Name Alias:</b>	Alpha-catalytic subunit; cAMP-dependent protein kinase; cAMP-dependent protein kinase, alpha-catalytic subunit; cAPKa; KAPCA; Kinase PKA C-alpha; PKA C-alpha; PKA-alpha; PKACA; Protein kinase, cAMP-dependent, catalytic, alpha; MGC102831; MGC48865; CCDS12304.1; P17612; ENSG00000072062
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P17612

### Peptide Structure

<b>Peptide Name:</b>	PKACa (193-201) pT196+pT198
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	K193-G201
<b>Peptide Sequence:</b>	KGR(pT)W(pT)LCG(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1354.4
<b>Observed Peptide Mass:</b>	1355.9
<b>% Peptide Purity:</b>	83.8
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAX-80
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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