

PE-04AJC90-P

CAMK4 (197-203) pT200 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CaMK4 (CaMPK4)



KINEXUS

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Target Protein

Name Long:	Calcium/calmodulin-dependent protein-serine kinase 4
Name Alias:	Brain Ca ⁺⁺ -calmodulin-dependent protein kinase type IV; Calcium/calmodulin-dependent protein kinase IV; Calcium/calmodulin-dependent protein kinase type IV catalytic chain; Calspermin; CAM kinase- GR; CAM kinase IV; CAM kinase-GR; CaMK IV; CAMK4; Kinase CaMK4; CaMK-GR; CaMKIV; KCC4 CaMK IV; MGC36771; CCDS4103.1; ENSG00000152495
Species Origin:	Human
UniProt ID:	Q16566

Peptide Structure

Peptide Name:	CAMK4 (197-203) pT200
Peptide Origin:	In the protein kinase catalytic domain.
Peptide Sequence Location:	L197-G203
Peptide Sequence:	LMK(pT)VCG(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1004.2
Observed Peptide Mass:	1003.2
% Peptide Purity:	91.3
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAW-45
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the CaMK4-pT200 rabbit polyclonal antibody (Cat. No.: PK556) that is also available from Kinexus. This phosphopeptide may also 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.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)