

PE-04AJD99-P

CaMKK1 (71-77) pS74 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CaMKK1 (CaMKK)



KINEXUS

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Target Protein

Name Long:	Calcium/calmodulin-dependent protein-serine kinase kinase
Name Alias:	Calcium/calmodulin-dependent protein kinase 1 alpha, isoform a; Calcium/calmodulin-dependent protein kinase kinase 1, alpha; CaMKK alpha protein; CAMKK1.; CAMKKA; DKFZP761M0423; KKCC1; MGC34095
Species Origin:	Human
UniProt ID:	Q8N5S9

Peptide Structure

Peptide Name:	CaMKK1 (71-77) pS74
Peptide Origin:	In the N-terminal quarter of the protein located before the kinase catalytic domain. This is the major in vivo phosphorylation site in CaMMK1.
Peptide Sequence Location:	R71-E77
Peptide Sequence:	RKL(pS)LQE(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:	1126.2
Observed Peptide Mass:	1125.3
% Peptide Purity:	100
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-46
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 CaMKK1-pS74 rabbit polyclonal antibody (Cat. No.: PK557) 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)