

PE-01BGN95-P

CAMK2Subtide Peptide Powder

13-mer kinase substrate peptide for assaying CaMK2a



KINEXUS

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Target Protein

Name Long:	Calcium/calmodulin-dependent protein-serine kinase 2 alpha
Name Alias:	Calcium/calmodulin-dependent protein kinase II alpha; Calcium/calmodulin-dependent protein kinase II alpha-B subunit; Calcium/calmodulin-dependent protein kinase type II alpha chain; CaM kinase II alpha subunit; CaMK2-alpha; CAMKA; CaMK-II alpha subunit; CaMKII-alpha; CaMKIINalpha; Kinase CaMK2-alpha; CaM-kinase II alpha chain; EC 2.7.11.17; KCC2A; KIAA0968
UniProt ID:	Q9UQM7

Peptide Structure

Peptide Name:	CAMK2Subtide
Peptide Origin:	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	KKALERQKSFRGC
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1622.1
Observed Peptide Mass:	1620.5
% Peptide Purity:	93.7
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:	KMP01CAQ-11
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	For assaying the phosphotransferase activity of Calcium/calmodulin-dependent protein-serine kinase 2 alpha (UniProt ID Q9UQM7).
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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)