

# PE-03AAF90-P

## CREB1 (123-135) KinSub, biotinyl. Peptide Powder

13-mer kinase substrate peptide for assaying CREB1



# KINEXUS

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### Target Protein

<b>Name Long:</b>	cAMP-response element-binding protein 1
<b>Name Alias:</b>	CAMP-response element binding protein; CREB1; CREB-1
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P16220

### Peptide Structure

<b>Peptide Name:</b>	CREB1 (123-135) KinSub, biotinyl.
<b>Peptide Sequence Location:</b>	K123-R134
<b>Peptide Sequence:</b>	KRREILSRRPSYR
<b>Peptide N-Terminus:</b>	btn-βA
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	2070.4
<b>% Peptide Purity:</b>	>90
<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>	#60510; KSP03CAP
<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>	For assaying the phosphotransferase activities of PNCK pregnancy up-regulated non-ubiquitously expressed CaM kinase (CAMK1b, UniProt ID Q6P2M8), Calcium/calmodulin-dependent protein kinase type I delta (CAMK1d, UniProt ID Q8IU85), Calcium/calmodulin-dependent protein kinase type I gamma (CAMK1g, UniProt ID Q96NX5), Calcium-calmodulin-dependent protein kinase type IV (CAMK4, UniProt ID Q16566), cAMP-dependent protein kinase (PKA) and protein kinase C-alpha (PKCa, UniProt ID P17252).
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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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