

# PE-04ASA60-P

## CAMK4 (197-210) pT200+pT204+pY207 Peptide Powder

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



**KINEXUS**

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Calcium/calmodulin-dependent protein kinase type IV
<b>Name Alias:</b>	Brain Ca <sup>++</sup> -calmodulin-dependent protein kinase 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
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q16566

### Peptide Structure

<b>Peptide Name:</b>	CAMK4 (197-210) pT200+pT204+pY207
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	L197-P210
<b>Peptide Sequence:</b>	LMK(pT)VCG(pT)PG(pY)CAP
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1853.9
<b>Observed Peptide Mass:</b>	1852.6
<b>% Peptide Purity:</b>	58.3
<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>	KLP04CAA-12
<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.
---------------------	------------------------------------------------------------------------------------------------------------------

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](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)