

# PE-04AMV99-P

## IKKa (178-184) pT179+pS180 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide based on IKKa (IkbKA; CHUK)



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### Target Protein

<b>Name Long:</b>	Inhibitor of NF-kappa-B protein-serine kinase alpha (CHUK)
<b>Name Alias:</b>	CHUK; Conserved helix-loop-helix ubiquitous kinase; I kappa-B kinase alpha; I kappaB kinase; I-kappa-B kinase 1; IkbKA; IKK1; IKK-alpha; NFKBIKA
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	O15111

### Peptide Structure

<b>Peptide Name:</b>	IKKa (178-184) pT179+pS180
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	C178-T184
<b>Peptide Sequence:</b>	CC(pT)(pS)FVGT
<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>	1047.0
<b>Observed Peptide Mass:</b>	1048.4
<b>% Peptide Purity:</b>	100
<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>	KMP04CAX-34
<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.
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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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