

# PE-14CAC90-P

## p38SelectideA Peptide Powder

36-mer kinase substrate peptide for assaying p38a MAPK (MAPK14)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Mitogen-activated protein-serine kinase p38 alpha; Mitogen-activated protein kinase 14
<b>Name Alias:</b>	CRK1; CSAID binding protein; CSBP; CSBP1; CSBP2; CSPB1; Cytokine suppressive anti-inflammatory drug binding protein; Kinase p38-alpha; MAPK14; PRKM15; p38a MAPK; SAPK2A; Mxi2; CCDS4815.1; ENSG00000112062
<b>UniProt ID:</b>	Q16539

### Peptide Structure

<b>Peptide Name:</b>	p38SelectideA
<b>Peptide Origin:</b>	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
<b>Peptide Sequence Location:</b>	Not applicable
<b>Peptide Sequence:</b>	QLKKIEAAPLALRRRRKLP(AOOx3)GPLTPLTPGGC (AOO=8-amino-3,6-dioxoactanoyl)
<b>Peptide N-Terminus:</b>	Free amino
<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>	3997.8
<b>Observed Peptide Mass:</b>	3996.1
<b>% Peptide Purity:</b>	92.5
<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>	KSP14CAC
<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 activity of Mitogen-activated protein-serine kinase p38 alpha; Mitogen-activated protein kinase 14 (UniProt ID Q16539).
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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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