

PE-04ADE99-P

p38a (179-185) pT180+pY182 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on p38a MAPK (MAPK14)



KINEXUS

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Target Protein

Name Long:	Mitogen-activated protein-serine kinase p38 alpha; Mitogen-activated protein kinase 14
Name Alias:	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
Species Origin:	Human
UniProt ID:	Q16539

Peptide Structure

Peptide Name:	p38a (179-185) pT180+pY182
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	M179-T185
Peptide Sequence:	M(pT)G(pY)VAT(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1076.0
Observed Peptide Mass:	1075.2
% Peptide Purity:	100.0
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:	KMP04CAT-30
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the p38a-pT180+Y182 rabbit polyclonal antibody (Cat. No.: PK740) that is also available from Kinexus. This phosphopeptide may also 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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