PE-04ACA95-P

JNK1 (185-194) pY185+pT188+pY191 Peptide Powder

15-mer immunogen and phosphatase substrate phosphopeptide based on JNK1 (MAPK8)

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Target Protein

Name Long:	Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1
Name Alias:	c-Jun N-terminal kinase 1; JNK; JNK1A2; JNK1-alpha-2; JNK-46;JNK21B1/2; JUN N-terminal kinase; Kinase JNK1; MAPK8; MK08; PRKM8; SAPK1; SAPK1c; Stress-activated protein kinase JNK1; CCDS7225.1; ENSG00000107643
Species Origin:	Human
UniProt ID:	P45983

Peptide Structure

Peptide Name:	JNK1 (185-194) pY185+pT188+pY191
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	Y185-P194
Peptide Sequence:	pYVVpTRYpYRAP(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:	1179.2
Observed Peptide Mass:	1176.2
% Peptide Purity:	97
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:	KMP04CAQ-07
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases.