

PE-04AEM95-P

JNK1 (182-188) pY185 Peptide Powder

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



KINEXUS

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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 (182-188) pY185
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	M182-T188
Peptide Sequence:	MTP(pY)VVT(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:	1063.2
Observed Peptide Mass:	1064.3
% Peptide Purity:	93.8
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:	KMP04CAU-18
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 JNK1-pY185 rabbit polyclonal antibody (Cat. No.: PK670) 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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