

PE-04AKQ95-P

MSK1 (209-215) pS212 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MSK1 (RPS6KA5)



KINEXUS

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Target Protein

Name Long:	Mitogen & stress-activated protein-serine kinase 1; Ribosomal protein S6 kinase alpha 5
Name Alias:	90 kDa ribosomal protein S6 kinase, , polypeptide 5; 90 kDa ribosomal protein S6 kinase, KS6A5; Kinase MSK1; KS6A5; MGC1911; MSPK1; Nuclear mitogen- and stress-activated protein kinase-1; Polypeptide V; Ribosomal protein S6 kinase; RLPK; RPS6KA5; MGC1911; MSPK1; RLPK; CCDS9893.1; ENSG00000100784
Species Origin:	Human
UniProt ID:	O75582

Peptide Structure

Peptide Name:	MSK1 (209-215) pS212
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	R209-G215
Peptide Sequence:	RAY(pS)FCG(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:	1057.1
Observed Peptide Mass:	1056.9
% Peptide Purity:	94.9
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:	KMP04CAW-85
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 MSK1-pS212 rabbit polyclonal antibody (Cat. No.: PK723) 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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