PE-04AKR95-P

MSK2 (684-690) pT687 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MSK2 (RPS6KA4)

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Ribosomal protein S6 kinase alpha-4
Name Alias:	Kinase MSK2; KS6A4; Ribosomal protein kinase B; Ribosomal protein S6 kinase, 90kDa, polypeptide 4; RPS6KA4; RSK-B; Similar to ribosomal protein S6 kinase, 90kD, polypeptide 4; Similar to ribosomal protein S6 kinase, polypeptide 4; CCDS8073.1; ENSG00000162302
Species Origin:	Human
UniProt ID:	O75676

Peptide Structure

Peptide Name:	MSK2 (684-690) pT687
Peptide Origin:	In the C-terminal part of the kinase after the second catalytic domain
Peptide Sequence Location:	P684-C690
Peptide Sequence:	PLR(pT)PDC(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:	1055.1
Observed Peptide Mass:	1053.9
% Peptide Purity:	96.4
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-86
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the MSK2-pT687 rabbit polyclonal antibody (Cat. No.: PK725) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.