PE-04APP99-P

SIK (179-185) pT182 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on SNF1lK (SIK)

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Salt-inducible serine/threonine-protein kinase SIK1; Serine-threonine-protein kinase SNF1-like kinase 1
Name Alias:	Msk; Myocardial SNF1-like kinase; Salt-inducible kinase; Salt-inducible kinase 1; Serine/threonine-protein kinase SNF1-like kinase 1; Serine/threonine-protein kinase SNF1LK; SIK1; SN1L1; SNF1-like kinase; SNF1LK
Species Origin:	Human
UniProt ID:	P57059

Peptide Structure

Peptide Name:	SIK (179-185) pT182
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	P179-G185
Peptide Sequence:	PLS(pT)WCG(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:	1016.1
Observed Peptide Mass:	1015.8
% Peptide Purity:	100
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:	KMP04CAX-105
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 SIK-pT182 rabbit polyclonal antibody (Cat. No.: PK812) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.