PE-04APE95-P

SIK2 (355-361) pS358 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on SIK2 (QIK)

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Target Protein

Name Long:	Salt-inducible serine/threonine-protein kinase SIK2; Serine-threonine-protein kinase SNF1-like kinase 2
Name Alias:	DKFZp434K1115; KIAA0781; LOH11CR1I; Salt-inducible kinase 2; Salt-inducible serine/threonine kinase 2; SIK2; SN1L2; SNF1LK2
Species Origin:	Human
UniProt ID:	Q9H0K1

Peptide Structure

Peptide Name:	SIK2 (355-361) pS358
Peptide Origin:	After the kinase catalytic domain
Peptide Sequence Location:	R355-A361
Peptide Sequence:	RRP(pS)TIA(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:	1053.1
Observed Peptide Mass:	1053.3
% Peptide Purity:	97.04
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-94
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 SIK2-pS358 rabbit polyclonal antibody (Cat. No.: PK813) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.