

PE-04AHC99-P

SgK269 (632-638) pY635 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on SgK269 (PEAK1)



KINEXUS

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Target Protein

Name Long:	Tyrosine-protein kinase SgK269; Pseudopodium-enriched atypical kinase 1
Name Alias:	FLJ21140; FLJ34483; PEAK1; KIAA2002 protein (partial sequence); SG269; Tyrosine-protein kinase SgK269; Sugen kinase 269
Species Origin:	Human
UniProt ID:	Q9H792

Peptide Structure

Peptide Name:	SgK269 (632-638) pY635
Peptide Origin:	In the N-terminal half of the protein. This is the major in vivo phosphorylation site in SgK269.
Peptide Sequence Location:	P632-L638
Peptide Sequence:	PNA(pY)DNL(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:	1060.01
Observed Peptide Mass:	1057.8
% Peptide Purity:	99.5
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:	KMP04CAV-49
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 SgK269-pY635 rabbit polyclonal antibody (Cat. No.: PK811) 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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