

PE-01ALU95-P

KinSubcRRGSF Peptide Powder

15-mer kinase substrate peptide for assaying Chk2 (CHEK2)



KINEXUS

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Target Protein

Name Long:	Checkpoint protein-serine kinase 2
Name Alias:	Cds1; CHEK2; CHK2 checkpoint homologue (<i>S. pombe</i>); HuCds1; LFS2; PP1425; RAD53; RP11-436C9.1; bA444G7; CCDS13843.1; ENSG00000183765
UniProt ID:	O96017

Peptide Structure

Peptide Name:	KinSubcRRGSF
Peptide Origin:	KinSubcRRGSF was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	GGRSRRGSFCHKTGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1561.8
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Checkpoint protein-serine kinase 2 (CHK2, UniProt ID O96017). The KinSubcRRGSF peptide demonstrated very low phosphotransferase activity with Pim1, and exhibited very low specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table 1.
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This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)