

PE-04AJU95-P

CHK1 (342-348) pS345 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Chk1 (CHEK1)



KINEXUS

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Target Protein

Name Long:	Checkpoint protein-serine kinase 1
Name Alias:	CHEK1; CCDS8459.1; ENSG00000149554
Species Origin:	Human
UniProt ID:	O14757

Peptide Structure

Peptide Name:	CHK1 (342-348) pS345
Peptide Origin:	In the C-terminal half of the kinase after the catalytic domain
Peptide Sequence Location:	I342-T348
Peptide Sequence:	ISF(pS)QPT(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:	1033.1
Observed Peptide Mass:	1032.3
% Peptide Purity:	93.85
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-63
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 Chk1-pS345 rabbit polyclonal antibody (Cat. No.: PK579) 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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