

PE-04ACM99-P

CDK1 (12-18) pT14+pY15 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CDK1 (CDC2)



KINEXUS

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Target Protein

Name Long:	Cyclin-dependent protein-serine kinase 1; Cell division control protein 2 homologue
Name Alias:	Cdc2; CDC28; CDC28A; CDC2A; Cell division control protein 2; Cell division cycle 2, G1 to S and G2 to M; Cyclin-dependent kinase 1; P34 protein kinase; Kinase Cdc2; MPF; DKFZp686L20222; MGC111195; ENSG00000170312
Species Origin:	Human
UniProt ID:	P06493

Peptide Structure

Peptide Name:	CDK1 (12-18) pT14+pY15
Peptide Origin:	In the protein kinase catalytic domain in subdomain I.
Peptide Sequence Location:	E12-V18
Peptide Sequence:	EG(pT)(pY)GVV(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:	1057.9
Observed Peptide Mass:	1056.3
% Peptide Purity:	100.0
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:	KMP04CAT-10
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 CDK1-pT14+pY15 rabbit polyclonal antibody (Cat. No.: PK560) 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.

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