

PE-01BGO99-P

CDK1-3 Selectide Peptide Powder

9-mer kinase substrate peptide for assaying 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
UniProt ID:	P06493

Peptide Structure

Peptide Name:	CDK1-3 Selectide
Peptide Origin:	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	GTPVKKRAC
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1030.3
Observed Peptide Mass:	1030.2
% Peptide Purity:	100
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:	KMP01CAQ-12
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 Cyclin-dependent protein-serine kinase 1; Cell division control protein 2 homologue (UniProt ID P06493). CDK1-3 Selectide is recognized similarly by CDK2/CLNA and CDK5/p35, but 25- to 100-fold less than by ERK2, p38a, JNK1, ERK5 and GSK3a.
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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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