

PE-04ASK95-P

CDK2 (155-163) pT158+pY159+pT160 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CDK2



KINEXUS

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Target Protein

Name Long:	Cyclin-dependent protein-serine kinase 2
Name Alias:	Cyclin-dependent kinase 2; Kinase Cdk2; p33 protein kinase; p33(CDK2); CCDS8898.1; ENSG00000123374
Species Origin:	Human
UniProt ID:	P24941

Peptide Structure

Peptide Name:	CDK2 (155-163) pT158+pY159+pT160
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	P155-V163
Peptide Sequence:	PVR(pT)(pY)(pT)HEV
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1514.4
Observed Peptide Mass:	1514.9
% Peptide Purity:	95.9
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:	KLP04CAA-14
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	This phosphopeptide may 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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