

PE-04ALR99-P

CDK12 (380-388) pS383+pS385 Peptide Powder

11-mer immunogen and phosphatase substrate phosphopeptide based on CDK12 (Cdc2L7)



KINEXUS

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Target Protein

Name Long:	Cell division protein kinase 12; Cell division cycle 2-related protein kinase 7
Name Alias:	CDK12; CD2L7; CDC2 related protein kinase 7; CDC2- related protein kinase 7; Cdc2-related kinase, arginine/serine-rich; CDC2-related protein kinase 7; CRKR; CRKRS; CrkRS; KIAA0904
Species Origin:	Human
UniProt ID:	Q9NYV4

Peptide Structure

Peptide Name:	CDK12 (380-388) pS383+pS385
Peptide Origin:	In the first quarter of the protein. This is the major in vivo phosphorylation site in CDK12.
Peptide Sequence Location:	R380-R388
Peptide Sequence:	RHS(pS)I(pS)PVR(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:	1372.35
Observed Peptide Mass:	1369.3
% 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:	KMP04CAX-03
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 CDK12-pS383+pS385 rabbit polyclonal antibody (Cat. No.: PK566) 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)