PE-04AWU99-P

PCTAIRE1 (323-330) pT324+pY327 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide
based on PCTK1 (PCTAIRE1, CDK16)

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Cell division protein kinase 16; Protein-serine kinase PCTAIRE-1
Name Alias:	CDK16; FLJ16665; KPT1; PCTAIRE; PCTAIRE protein kinase 1; PCTAIRE-motif protein kinase 1; PCTGAIRE; PCTK1; Serine/threonine-protein kinase PCTAIRE1; ENSG00000102225
Species Origin:	Human
UniProt ID:	Q00536

Peptide Structure

Peptide Name:	PCTAIRE1 (323-330) pT324+pY327
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	V323-P330
Peptide Sequence:	V(pT)LW(pY)RPP
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1406.4
Observed Peptide Mass:	1405.1
% Peptide Purity:	98
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:	KLP04CAE-10
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.