PE-04AKA95-P

CLK1 (334-340) pS337 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CLK1

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Target Protein

Name Long:	Dual specificity protein kinase CLK1
Name Alias:	CDC like kinase 1; CDC-like kinase 1; CLK
Species Origin:	Human
UniProt ID:	P49759

Peptide Structure

Peptide Name:	CLK1 (334-340) pS337
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	E334-V340
Peptide Sequence:	EHH(pS)TLV(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:	1076.1
Observed Peptide Mass:	1075.1
% Peptide Purity:	95.68
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:	KMP04CAW-69
Amount:	1 mg
Storage Conditions:	Frozen at -20℃
Storage Stability:	Over 1 year at -20℃

Applications

Product Use:	Services as a blocking peptide for use with the CLK1-pS337 rabbit polyclonal antibody (Cat. No.: PK583) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.