PE-04AJT99-P

CDK9 (344-350) pS347 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on CDK9

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Target Protein

Name Long:	Cyclin-dependent protein-serine kinase 9
Name Alias:	C-2K; CDC2L4; Cell division cycle 2-like protein kinase 4; Cyclin-dependent kinase 9; Kinase Cdk9; PITALRE; TAK
Species Origin:	Human
UniProt ID:	P50750

Peptide Structure

Peptide Name:	CDK9 (344-350) pS347
Peptide Origin:	Near the C-terminus of the kinase after the catalytic domain
Peptide Sequence Location:	R344-T350
Peptide Sequence:	RKG(pS)QIT(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:	1043.1
Observed Peptide Mass:	1042.9
% Peptide Purity:	99.48
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-62
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the CDK9-pS347 rabbit polyclonal antibody (Cat. No.: PK574) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.