PE-04ALE99-P

SYK (320-326) pY323 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Syk

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

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

Target Protein

Name Long:	Spleen protein-tyrosine kinase
Name Alias:	DKFZp313N1010; FLJ25043; FLJ37489; Kinase Syk; KSYK; Spleen tyrosine kinase; SYK; CCDS6688.1; ENSG00000165025
Species Origin:	Human
UniProt ID:	P43405

Peptide Structure

Peptide Name:	SYK (320-326) pY323
Peptide Origin:	In the region between the SH2 and kinase catalytic domains. The major site of phosphorylation in Syk.
Peptide Sequence Location:	F320-E326
Peptide Sequence:	FNP(pY)EPE(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:	1149.1
Observed Peptide Mass:	1148.0
% Peptide Purity:	97.58
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-99
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 Syk-pY323 rabbit polyclonal antibody (Cat. No.: PK821) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.