PE-04ALH99-P

Tec (516-522) pY519 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on TEC

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Target Protein

Name Long:	Tyrosine-protein kinase Tec
Name Alias:	Kinase Tec; MGC126760; MGC126762; PSCTK4; CCDS3481.1; P42680; ENSG00000135605
Species Origin:	Human
UniProt ID:	P42680

Peptide Structure

Peptide Name:	Tec (516-522) pY519
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	D516-S522
Peptide Sequence:	DDQ(pY)TSS(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:	1068.9
Observed Peptide Mass:	1068.1
% Peptide Purity:	99.68
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-102
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 TEC-pY519 rabbit polyclonal antibody (Cat. No.: PK829) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.