

PE-01AHH95-P

KinSub1RDDYG Peptide Powder

15-mer kinase substrate peptide for assaying Lyn



KINEXUS

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Target Protein

Name Long:	Yes-related protein-tyrosine kinase; Tyrosine-protein kinase Lyn
Name Alias:	JTK8; Kinase Lyn; KPM; LYN; V-yes-1 Yamaguchi sarcoma viral related oncogene; FLJ26625; CCDS6162.1; ENSG00000147507
UniProt ID:	P07948

Peptide Structure

Peptide Name:	KinSub1RDDYG
Peptide Origin:	KinSub1RDDYG was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	GGRERDDYGRGEGGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1536.5
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Yes-related protein-tyrosine kinase; Tyrosine-protein kinase Lyn (LynA, UniProt ID P07948). The KinSub1RDDYG peptide demonstrated medium phosphotransferase activity with LynA, and exhibited very high specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table 1.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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