

PE-01ALB95-P

KinSub5RRGSF Peptide Powder

15-mer kinase substrate peptide for assaying CLK1



KINEXUS

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Target Protein

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

Peptide Structure

Peptide Name:	KinSub5RRGSF
Peptide Origin:	KinSub5RRGSF 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:	GGRSRRGSFRGGGGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1419.5
% 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 Dual specificity protein kinase CLK1 (UniProt ID P49759). The KinSub5RRGSF peptide demonstrated moderate phosphotransferase activity with CLK1, 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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