PE-01AHM95-P

KinSub1REGSV Peptide Powder

15-mer kinase substrate peptide for assaying CLK2

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Target Protein

Name Long:	Dual specificity protein kinase CLK2
Name Alias:	CDC-like kinase 2; Clk2
UniProt ID:	P49760

Peptide Structure

Peptide Name:	KinSub1REGSV
Peptide Origin:	KinSub1REGSV 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:	GGLGREGSVGVGGHW
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1423.5
% 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 CLK2 (UniProt ID P49760). The KinSub1REGSV peptide demonstrated medium phosphotransferase activity with CLK2, 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.