

PE-01AJC95-P

KinSub1RRGSL Peptide Powder

15-mer kinase substrate peptide for assaying AurKA (Aurora A, AIK, STK15)

**KINEXUS**

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Target Protein

Name Long:	Aurora Kinase A (serine/threonine protein kinase 6)
Name Alias:	AIK; ARK1; AURKA; Aurora kinase A; Aurora,IPL1-related kinase 1; Aurora/IPL1-related kinase 1; Aurora-1; Aurora-A; Aurora-family kinase 1; STK7; BTAK; STK15; STK6; AURORA2; AurA; MGC34538; CCDS13451.1; ENSG00000087586
UniProt ID:	O14965

Peptide Structure

Peptide Name:	KinSub1RRGSL
Peptide Origin:	KinSub1RRGSL 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:	RGLGRRGSLGFFFGW
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1712
% 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 Aurora Kinase A (AurA, Serine/threonine protein kinase 6, UniProt ID O14965). The KinSub1RRGSL peptide demonstrated very high phosphotransferase activity with PKCg, and exhibited medium 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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