

# PE-01AHZ95-P

## KinSub1RRDSV Peptide Powder

15-mer kinase substrate peptide for assaying RSK2 (RPS6KA3)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Ribosomal S6 protein-serine kinase 2; Ribosomal protein S6 kinase alpha-3
<b>Name Alias:</b>	90 kDa ribosomal protein S6 kinase 3; CLS; HU-3; Insulin-stimulated protein kinase 1; ISPK1; ISPK-1; KS6A3; MAPKAPK1B; MRX19; pp90RSK2; RP11-393H10_3; RPS6KA3; S6K-alpha 3
<b>UniProt ID:</b>	P51812

### Peptide Structure

<b>Peptide Name:</b>	KinSub1RRDSV
<b>Peptide Origin:</b>	KinSub1RRDSV 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.
<b>Peptide Sequence Location:</b>	Not applicable
<b>Peptide Sequence:</b>	GGRGRRDSVYNGGHW
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1672.8
<b>% Peptide Purity:</b>	> 95
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	For assaying the phosphotransferase activity of Ribosomal S6 protein-serine kinase 2; Ribosomal protein S6 kinase alpha-3 (RSK2, UniProt ID P51812). The KinSub1RRDSV peptide demonstrated high phosphotransferase activity with Brk, and exhibited moderate 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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