

# PE-01ADP95-P

## RPS6 (230-239) KinSub Peptide Powder

10-mer kinase substrate peptide for assaying RPS6



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	40S Ribosomal S6
<b>Name Alias:</b>	Phosphoprotein NP33; Ribosomal protein S6; RS6; S6 Ribosomal Protein
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P62753

### Peptide Structure

<b>Peptide Name:</b>	RPS6 (230-239) KinSub
<b>Peptide Origin:</b>	Based on ribosomal protein S6 phosphosite
<b>Peptide Sequence Location:</b>	K230-A239
<b>Peptide Sequence:</b>	KRRRLSSLRA
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Acid
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1242.5
<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>Lot Number:</b>	S06-58
<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 activities of the ribosomal S6 protein kinases RSK1 (S6 kinase alpha 2, UniProt ID Q15418), RSK2 (S6 kinase alpha 3, UniProt ID P51812), RSK3 (S6 kinase alpha 1, UniProt ID Q15349), RSK4 (S6 kinase alpha 6, UniProt ID Q9UK32), MSK1 (S6 kinase alpha 5, UniProt ID O75582), Ribosomal protein S6 kinase 1 (p70S6K, UniProt ID P23443), and Ribosomal protein S6 kinase 2 (p70S6Kb, UniProt ID Q9UBS0).
---------------------	--

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)