

PE-04AQR95-P

RPS6 (232-242) pS235+pS236+pS240 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on RPS6



KINEXUS

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Target Protein

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

Peptide Structure

Peptide Name:	RPS6 (232-242) pS235+pS236+pS240
Peptide Origin:	In the C-terminus of the ribosomal protein. These are the major in vivo phosphorylation sites in the S6 protein.
Peptide Sequence Location:	R232-S242
Peptide Sequence:	RRL(pS)(pS)LRA(pS)TS(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1646.5
Observed Peptide Mass:	1647.3
% Peptide Purity:	93.1
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAY-01
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the RPS6-pS235+pS236+pS240 rabbit polyclonal antibody (Cat. No.: PN559) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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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 or contact us at 1-866-KINASES (546-2737)