

PE-01ADQ95-P

RPS6 (230-238) KinSub Peptide Powder

9-mer kinase substrate peptide for assaying 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 (230-238) KinSub
Peptide Origin:	Based on ribosomal protein S6 phosphosite
Peptide Sequence Location:	K230-R238
Peptide Sequence:	KRRRLASLR
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Acid
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1155.4
% 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
Lot Number:	S05-58
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activities of Ribosomal protein S6 kinase 1 (p70S6K, UniProt ID P23443), Ribosomal protein S6 kinase 2 (p70S6Kb, UniProt ID Q9UBS0), Proto-oncogene serine-threonine-protein kinase Pim-1 (Pim1, UniProt ID P11309), Serine-threonine-protein kinase Pim-2 (Pim2, UniProt ID Q9P1W9), Rho-associated protein kinase 1 (ROCK1, UniProt ID Q13464), Rho-associated protein kinase 2 (ROCK2, UniProt ID O75116), 5'-AMP-activated protein kinase catalytic subunit alpha-1 (AMPK1a, UniProt ID Q13131), 5'-AMP-activated protein kinase, catalytic subunit alpha-2 (AMPK1a2, UniProt ID P54646), Myotonic dystrophy kinase-related CDC42-binding kinase alpha (MRCKa, UniProt ID Q5VT25), and Myotonic dystrophy kinase-related CDC42-binding kinase beta (MRCKb, UniProt ID Q9Y5S2).
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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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