

RSK Substrate

Cat. No. PRKG1-Sub **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The RSK sub peptide sequence (KRRRLSSLRA) is based on human 40S ribosomal protein S6 (amino acid 230-239).
Species	Human
Source	Synthetic
ProteinLength	230-239 a.a.
Description	In molecular biology, ribosomal s6 kinase (rsk) is a family of protein kinases involved in signal transduction. There are two subfamilies of rsk, p90rsk, also known as MAPK-activated protein kinase-1 (MAPKAP-K1), and p70rsk, also known as S6-H1 Kinase or simply S6 Kinase. There are three variants of p90rsk in humans, rsk 1-3. Rsks are serine/threonine kinases and are activated by the MAPK/ERK pathway. There are two known mammalian homologues of S6 Kinase: S6K1 and S6K2.
Molecular Mass	1242.5
Sequence	KRRRLSSLRA
Purity	Determined to be 95.1% by HPLC analysis.
Formulation	1mg of peptide supplied as a lyophilized powder.
Applications	Kinase Assay

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Storage	Store product at –20oC. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Reconstitution	Dilute peptide in distilled H2O to a final concentration of 1 mg/ml.

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