

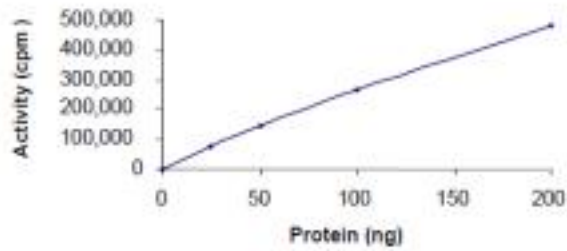
RPS6KA3

Recombinant Human RPS6KA3/RSK2 Active

Catalog No.	CRR007A CRR007B	Quantity:	5 µg 10 µg
Alternate Names:	CLS, HU-3, ISPK-1, MAPKAPK1B, MRX19, RSK, RSK2, S6K-alpha3, p90-RSK2, pp90RSK2, insulin-stimulated protein kinase 1, mental retardation, X-linked 19, ribosomal protein S6 kinase, 90kD, polypeptide 3		
Description:	RSK2 is a member of the RSK (ribosomal S6 kinase) family that are growth factor-regulated serine/threonine kinases. RSK2 has been shown to mediate growth factor signaling via RAS and MAPK leading to the induction of CREB serine-133 phosphorylation and activation of gene expression. Mutations in RSK2 have been shown to be responsible for Coffin-Lowry syndrome (CLS) which is a X-linked disorder characterized by severe psychomotor retardation, facial and digital dysmorphisms, and progressive skeletal deformations.		
Concentration:	0.1 µg/µl		
Gene ID:	6197		
Protein Accession No:	NM_004586		
Source:	Sf9 insect cells using baculovirus		
Molecular Weight:	~112 kDa		
Purity:	90%		
Specific Activity:	157 nmol/min/mg		
Applications:	Kinase Assay, Western Blot		
Storage & Stability:	Store product at -80°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.		
Active Research Areas:	The RSK2, Active product can be utilized in the following research areas, but not limited to: Apoptosis/Autophagy, Cancer, Cardiovascular Disease, ERK/MAPK Pathway, Inflammation, Neurobiology, NfκB Pathway, Ser/Thr Kinases		

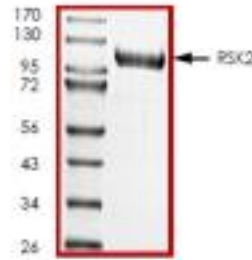


Specific Activity



The specific activity of RSK2 was determined to be **157 nmol /min/mg** as per activity assay protocol.

Purity



The purity was determined to be **>90%** by densitometry, Approx. MW **112kDa**.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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