

Recombinant Human RPS6KB1 p70S6K His Active

Catalog No.	CRP104A CRP104B	Quantity:	5 µg 10 µg
Description:	p70S6K is responsible for the phosphorylation of 40S ribosomal protein S6 and is ubiquitously expressed in human adult tissues. p70S6K is activated by serum stimulation and this activation is inhibited by wortmannin and rapamycin. p70S6k activity undergoes changes in the cell cycle and increases 20-fold in G1 cells released from G0. p70S6K activation requires sequential phosphorylations at proline-directed residues in the putative autoinhibitory pseudosubstrate domain, as well as threonine 389 a site phosphorylated by phosphoinositide-dependent kinase 1 (PDK-1). Human p70S6K kinase has a molecular weight of ~76 kDa by SDS-PAGE gel.		
Concentration:	0.1 mg/ml		
Protein Accession No:	NM_003161		
Source:	Sf9 insect cells		
Formulation:	Liquid in a buffer of 50 mM Tris-HCl + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mM EDTA + 0.1 mM PMSF + 25% glycerol, pH 7.5.		
Purity:	>80% purity as determined by densitometry.		
Specific Activity:	78 nmol/min/mg.		
Storage & Stability:	Store product frozen at or below -80°C. Stable for 1 year at -80°C as undiluted stock. Aliquot into smaller working quantities. Avoid repeated freeze-thaw cycles.		

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