Recombinant Human p70S6K (N-His tag)

Cat No:HR2R1819

For research use only

Overview

Quantity	10 ?g
Gene Symbol	p70S6K
Gene ID	N/A
Accession	NM_003161
Alternative Name	S6K; PS6K; S6K1; STK14A; RPS6KB1; p70-alpha; p70(S6K)-alpha
Species	Human
Source	Insect cells
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).
Functions	The specific activity of p70S6K was determined to be 78 nmol /min/mg as per activity assay protocol
Formulation	50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	76
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.