9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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RPS6KB1 Human

Ribosomal Protein S6 Kinase B1 Human Recombinant
RCP1926

Product Overview

Name	RPS6KB1 Human
Description	
Ribosomal Protein S6 Kinase B1 Human Recombinant	
Accession (Primary)	P23443
Synonyms	
Ribosomal protein S6 kinase beta-1 isoform a, p70 S6KA, p70(S6K)-alpha, p70-alpha, p70-S6K, PS6K, S6K, S6K-beta-1, S6K1, STK14A, 70 kDa ribosomal protein S6 kinase 1, p70-S6K 1, Ribosomal protein S6 kinase I, Serine/threonine-protein kinase 14A, p70 ribosomal S6 kinase alpha, p70 S6 kinase alpha, p70 S6K-alpha, p70 S6KA.	
Introduction	
Ribosomal Protein S6 Kinase Beta-1 Isoform A or RPS6KB1 is type of serine/threonine kinas. The protein effects on the PIP3 and phosphoinositide-dependent kinase-1 as part of the PI3 kinase pathway. Protein synthesis is induced by Phosphorylation of S6 in the ribosome. It was shown that phosphorylation of p70S6K at threonine 389 acts as mTOR activation indication and corresponded along with the inhibition of autophagy in different cases, nonetheless new studies has shown that the p70S6K activity has a constructive and increasing affect of autophagy.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
RPS6KB1 protein solution (0.25mg/ml) contains 50mM Tris-HCl (pH 7.5), 30% glycerol, 0.5M NaCl, 2mM DTT and 0.1mM PMSF.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRRRRRRDGF YPAPDFRDRE AEDMAGVFDI DLDQPEDAGS EDELEEGGQL NESMDHGGVG PYELGMEHCE	

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KFEISETSVN RGPEKIRPEC FELLRVLGKG GYGKVFQVRK VTGANTGKIF AMKVLKKAMI VRNAKDTAHT KAERNILEEV KHPFIVDLIY AFQTGGKLYL ILEYLSGGEL FMQLEREGIF MEDTACFYLA EISMALGHLH QKGIIYRDLK PENIMLNHQG HVKLTDFGLC KESIHDGTVT HTFCGTIEYM APEILMRSGH NRAVDWWSLG ALMYDMLTGA PPFTGENRKK TIDKILKCKL NLPPYLTQEA RDLLKKLLKR NAASRLGAGP GDAGEVQAHP FFRHINWEEL LARKVEPPFK PLLQSEEDVS QFDSKFTRQT PVDSPDDSTL SESANQVFLG FTYVAPSVLE SVKEKFSFEP KIRSPRRFIG SPRTPVSPVK FSPGDFWGRG ASASTANPQT PVEYPMETSG IEQMDVTMSG EASAPLPIRQ PNSGPYKKQA FPMISKRPEH LRMNL LEHHH HHH .

Precautions

RPS6KB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P23443)