Recombinant Human RPS6KB1, His-tagged

Cat. No. RPS6KB1-31345TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human S6K (p70) contains an N-terminal His tag and was expressed by baculovirus in Sf9 insect cells.
Species	Human
Description	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized.
Conjugation	HIS
Tissue specificity	Widely expressed.
Biological activity	Note that this is the p70 form of S6K.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.Contains 1 AGC-kinase C-terminal domain.Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name	RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1 [Homo sapiens]
Official Symbol	RPS6KB1
Synonyms	RPS6KB1; ribosomal protein S6 kinase, 70kDa, polypeptide 1; ribosomal protein S6 kinase, 70kD, polypeptide 1 , STK14A; ribosomal protein S6 kinase beta-1; p70(S6K) alpha; PS6K; S6K1;
Gene ID	6198
mRNA Refseq	NM_003161
Protein Refseq	NP_003152
MIM	608938
Uniprot ID	P23443
Chromosome Location	17q23.1
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia,

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	conserved biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem;
Function	ATP binding; nucleotide binding; peptide binding; protein binding; protein kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA