

Recombinant Human RPS6KB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RPS6KB1-3720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS6KB1 MS Standard C13 and N15-labeled recombinant protein (NP_003152) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17.
Molecular Mass	59 kDa
AA Sequence	MRRRRRRDGFYPAPDFRDREAEDMAGVFDIDLDPEDAGSEDELEEGGQLNESM DHGGVGPYELGMEHCEKFEISETSVNRGPEKIRPECFELLRLVKGKGGYGKVFQVRK VTGANTGKIFAMKVLKKAMIVRNAKDTAHTKAERNILEEVKHPFIVDLIYAFQTGGKLY LILEYLSGGELFMQLEREGIFMEDTACFYLAEISMAILGHLHQGIIYRDLKPENIMLNH QGHVKLTDFGLCKESIHDGTVHTFCGTIEYMAPEILMRSGHNRAVDWWSLALMY DMLTGAPPFTGENRKKTIDKILKCKLNLPPYLTQEARDLLKLLKRNAASRLGAGPGD

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AGEVQAHPFFRHINWEELLARKVEPPFKPLLQSEEDVSQFDSKFTRQTPVDSPDDS
 TLSESANQVFLGFTYVAPSVLESVKEKFSFEPKIRSPRRFIGSPRTPVSPVKFSPGDF
 WGRGASASTANPQTPVEYPMETSGIEQMDVTMSGEASAPLPIRQPNSGPYKKQAF
 PMISKRPEHLRMNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RPS6KB1 ribosomal protein S6 kinase B1 [Homo sapiens (human)]

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; P70S6K1; p70 S6KA; S6K-beta-1; p70 S6K-alpha; p70 S6 kinase, alpha 1; p70 S6 kinase, alpha 2; ribosomal protein S6 kinase I; serine/threonine kinase 14 alpha; serine/threonine-protein kinase 14A; 70 kDa ribosomal protein S6 kinase 1; S6K; STK14A; p70-S6K; p70-alpha; p70(S6K)-alpha;

Gene ID 6198

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mRNA Refseq [NM_003161](#)

Protein Refseq [NP_003152](#)

MIM [608938](#)

UniProt ID [P23443](#)

SDS-PAGE



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