

## Recombinant Human RPS6KB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RPS6KB2-3112H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RPS6KB2 MS Standard C13 and N15-labeled recombinant protein (NP_003943) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains a kinase catalytic domain and phosphorylates the S6 ribosomal protein and eukaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation.                                                                                                                                                       |
| <b>Molecular Mass</b>   | 53.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MAAVFDLDLETEEGSEGEPELSPADACPLAELRAAGLEPVGHYEEVELTETSVN<br>VGPERIGPHCFELLRVLGKGGYGKVFQVRKVQGTNLGKIYAMKVLKAKIVRNAKDT<br>AHTRAERNILESVKHPFIVELAYAFQTGGKLYLILECLSGGELFTHLEREGIFLEDTAC<br>FYLAELITLALGHLHSQGIIYRDLKPENIMLSSQGHIKLTDFGLCKESIHEGAVTHTFCGT<br>IEYMAPEILVRSGHNRAVDWWSLGALMYDMLTGSPPTAENRKKTMDKIIRGKLALP<br>PYLTPDARDLVKKFLKRNPSQRIGGGPGDAADVQRHPFFRHMNWDDLAWRVDP<br>FRPCLQSEEDVSQFDTRFTRQTPVDSPPDTALSESANQAFLGFTYVAPSVLDSIKEG<br>FSFQPKLRSPRRLNSSPRVPVSPCLKFSPFEGFRPSPSLPEPTELPLPPLPPPPSTT |

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APLPIRPPSGTKKSKRGRGRPGRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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** [RPS6KB2 ribosomal protein S6 kinase B2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [RPS6KB2](#)

**Synonyms** RPS6KB2; ribosomal protein S6 kinase, 70kDa, polypeptide 2; ribosomal protein S6 kinase, 70kD, polypeptide 2; ribosomal protein S6 kinase beta-2; KLS; P70 BETA; p70S6Kb; STK14B; P70S6K2; S6K-beta; p70 S6KB; p70-S6K 2; S6K-beta-2; p70 S6K-beta; p70 S6 kinase beta; S6 kinase-related kinase; p70 ribosomal S6 kinase beta; serine/threonine-protein kinase 14B; 70 kDa ribosomal protein S6 kinase 2; serine/threonine-protein kinase 14 beta; SRK; S6K2; P70-beta; S6K-beta2; P70-beta-1; P70-beta-2; p70(S6K)-beta;

**Gene ID** [6199](#)

**mRNA Refseq** [NM\\_003952](#)

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Protein Refseq NP\_003943

MIM 608939

UniProt ID Q9UBS0

SDS-PAGE



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