

# Recombinant Human RPS6KA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RPS6KA1-4414H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

RPS6KA1 MS Standard C13 and N15-labeled recombinant protein (NP\_002944) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

### Molecular Mass

82.7 kDa

### AA Sequence

MPLAQLKEPWPLMELVPLDPENGQTSGEEAGLQPSKDEGVLKEISITHHVKAGSEK  
ADPSHFELLKVLGQGSFGKVFLVRKVTRPDSGHLIYAMKVLKATLKVDRVRVKME  
RDILADVNHFPVVKLHYAFQTEGKLYLILDFLRGGDLFTRLSKEVMFTEEDVKFYLAE  
LALGLDHLHSLGIYRDLKPENILLDEEGHIKLTDFGLSKEAIDHEKKAYSFCGTVEYM  
APEVVNRQGHSHSADWWSYGVLMFEMLTGSLPFQKGDRKETMTLILKAKLGMPQF  
LSTEAQSLLRALFKRNPANRLGSGPDGAEIKRHVFYSTIDWNKLYRREIKPPFKPAV  
AQPDDTFYFDTEFTSRTPKDSGIPPSAGAHQLFRGFSFVATGLMEDDGKPRAPQA

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PLHSVQQLHGKNLVFS DGYVVKETIGVGSYSECKRCVHKATNMEYAVKVIDKSKR  
 DPSEEIEILLRYGQHPNIITLKD VYDDGKHVYLVTELMRGGELLDKILRQKFFSEREAS  
 FVLHTIGKTVEYLHSQGVVHRDLKPSNILYVDESGNPECLRICDFGFAKQLRAENGLL  
 MTPCYTANFVAPEVLKRQGYDEGCDIWSLGILLYTMLAGYTPFANGP S DTP E E I L T R I  
 GSGKFTLSGGNWNTVSETAKDLVSKMLHVDPHQRLTAKQVLQHPWVTQKDKLPQS  
 QLSHQDLQLVKGAMAATYSALNSSKPTPQLKPIESSILAQRVRKLPSTTLTRTRPLE  
 QKLISEEDLAANDILDYKDDDDKV

**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** [RPS6KA1 ribosomal protein S6 kinase A1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [RPS6KA1](#)

**Synonyms**

RPS6KA1; ribosomal protein S6 kinase, 90kDa, polypeptide 1; ribosomal protein S6 kinase, 90kD, polypeptide 1; ribosomal protein S6 kinase alpha-1; HU 1; RSK; RSK1; RSK-1; p90S6K; p90RSK1; p90-RSK 1; MAPKAPK-1a; S6K-alpha 1; S6K-alpha-1; MAPKAP kinase 1a; ribosomal S6 kinase 1; MAPK-activated protein kinase 1a; ribosomal protein S6 kinase alpha 1; 90 kDa ribosomal protein S6 kinase 1; MAP kinase-activated protein kinase 1a; dJ590P13.1 (ribosomal protein S6 kinase, 90kD,

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polypeptide 1); HU-1; MAPKAPK1A;

**Gene ID** 6195**mRNA Refseq** NM\_002953**Protein Refseq** NP\_002944**MIM** 601684**UniProt ID** Q15418**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA