

## Recombinant Human RPS6KA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RPS6KA2-3740H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RPS6KA2 MS Standard C13 and N15-labeled recombinant protein (NP_066958) 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 two non-identical 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. Alternative splice variants, encoding different isoforms, have been characterized. |
| <b>Molecular Mass</b>   | 83.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDLSMKKFAVRRFFSVYLRRKSRSKSSSLSRLEEEGVVKEIDISHHVKEGFEEKADPS<br>QFELLKVLGQGSYGKVLVRKVKGS DAGQLYAMKVLKKATLKVRDRVRSKMERDIL<br>AEVNHPFIVKLHYAFQTEGKLYLILDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALAL<br>DHLHSLGIYRDLKPENILLDEEGHIKITDFGLSKEAIDHDKRAYSF CGTIEYMAPEVVN<br>RRGHTQSADWWSFGVLMFEMLTGSLPFQ GKDRKETMALILKAKLGMPQFLSGEAQ<br>SLLRALFKRNPCNRLGAGIDGV EEIKRHPFFVTIDWNTLYRKEIKPPFKPAVGRPEDT<br>FHFDPEFTARTPTDSPGVPPSANAHHLFRGFSFVASSLIQEPSQQDLHKVPVHPIVQ                           |

 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

QLHGNNIHFTDGYEIKEDIGVGSYSVCKRCVHKATDTEYAVKIIDKSKRDPSEEIEILL  
 RYGQHPNIITLKDVYDDGKFVYLVLMELMRGGELLDRLRQRYFSEREASDVLCTITKT  
 MDYLHSQGVVHRDLKPSNILYRDESGSPESIRVCDGFGAKQLRAGNGLLMTPCYTA  
 NFVAPEVLKRQGYDAACDIWSLGILLYTMLAGFTPFANGPDDTPEEILARIGSGKYAL  
 SGGNWDSISDAAKDVVSKMLHVDPHQRLTAMQVLKHPWVVNREYLSPNQLSRQDV  
 HLVKGAMAATYFALNRTPQAPRLEPVLSSNLAQRRGMKRLTSTRLSGPTRTRPLEQ  
 KLISEEDLAANDILDYKDDDDKV

**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** RPS6KA2 ribosomal protein S6 kinase A2 [ Homo sapiens (human) ]

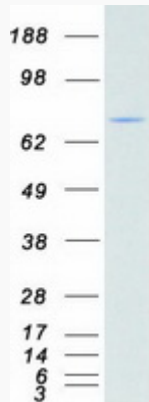
**Official Symbol** RPS6KA2

**Synonyms** RPS6KA2; ribosomal protein S6 kinase, 90kDa, polypeptide 2; ribosomal protein S6 kinase, 90kD, polypeptide 2; ribosomal protein S6 kinase alpha-2; HU 2; RSK; RSK3; RSK-3; p90RSK2; p90-RSK 2; MAPKAPK-1c; S6K-alpha-2; MAPKAP kinase 1c; ribosomal S6 kinase 3; MAPK-activated protein kinase 1c; ribosomal protein S6 kinase alpha 2; 90 kDa ribosomal protein S6 kinase 2; MAP kinase-activated protein kinase 1c; HU-2; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2;

 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

|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 6196                                                                                |
| mRNA Refseq    | NM_021135                                                                           |
| Protein Refseq | NP_066958                                                                           |
| MIM            | 601685                                                                              |
| UniProt ID     | Q15349                                                                              |
| SDS-PAGE       |  |