

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

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

SPECIFICATION

Product Overview	RPS6KA2 MS Standard C13 and N15-labeled recombinant protein (NP_066958) 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 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.
Molecular Mass	83.2 kDa
AA Sequence	MDLSMKKFAVRRFFSVYLRRKSRSKSSSLSRLEEEGVVKEIDISHHVKEGFEEKADPS QFELLKVLGQGSYGKVLVRKVKGS DAGQLYAMKVLKKATLKVRDRVRSKMERE DILAEVNHPFIVKLHYAFQTEGKLYLILDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALAL DHLHSLGIIYRDLKPENILLDEEGHIKITDFGLSKEAIDHDKRAYSF CGTIEYMAPEVVN RRGHTQSADWWSFGVLMFEMLTGSLPFQ GKDRKETMALILKAKLGMPQFLSGEAQ SLLRALFKRNPCNRLGAGIDGV EEEKRHPFFVTIDWNTLYRKEIKPPFKPAVGRPEDT FHFDPEFTARTPTDSPGVPPSANAHHLFRGFSFVASSLIQEPSQQDLHKVPVHPVIVQ

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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;

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