

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 ADPSHFELLKVLGQGSFGKVFLVRKVTRPDSGHLIYAMKVLKKATLKVRDRVRTKME RDILADVNHFPVVKLHYAFQTEGKLYLILDFLRGGDLFTRLKSKEVMFTEEDVKFYLA LALGLDHLHSLGIYRDLKPENILLDEEGHIKLTDFGLSKEAIDHEKKAYSFCGTVEYM APEVVNRQGHSHSADWWSYGVLMFEMLTGSLPFQGKDRKETMTLILKAKLGMPQF LSTEAQSLRLALFKRNPANRLGSGPDGAEEIKRHVFYSTIDWNKLYRREIKPPFKPAV AQPDDTFYFDTEFTSRTPKDSGPSPSAGAHQLFRGFSFVATGLMEDDGKPRAPQA

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PLHSVQQLHGKNLVFSDBGYVVKETIGVGSYSECKRCVHKATNMEYAVKVIDKSKR
 DPSEEIEILLRYGQHPNIITLKDVYDDGKHVYLVTELMRGGELLDKILRQKFFSEREAS
 FVLHTIGKTVEYLHSQGVVHRDLKPSNILYVDESGNPECLRICDFGFAKQLRAENGLL
 MTPCYTANFVAPEVLKRQGYDEGCDIWSLGILLYTMLAGYTPFANGPSDTPPEILTRI
 GSGKFTLSGGNWNTVSETAKDLVSKMLHVDPHQRLTAKQVLQHPWVTQKDKLPQS
 QLSHQDLQLVKGAMAATYSALNSSKPTPQLKPIESSILAQRRVRKLPSTTLTRTRPLE
 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



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