

Recombinant Human RPS6KA4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RPS6KA4-2049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS6KA4 MS Standard C13 and N15-labeled recombinant protein (NP_003933) 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 non-identical kinase catalytic domains and phosphorylates various substrates, including CREB1 and ATF1. The encoded protein can also phosphorylate histone H3 to regulate certain inflammatory genes. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	85.4 kDa
AA Sequence	MGDEDDDESCAVELRITEANLTGHEEKVSVENFELLKVLGTGAYGKVFLVRKAGGH DAGKLYAMKVLKAAALVQRAKTQEHTRTERSVLELVRQAPFLVTLHYAFQTDAKLHL ILDYVSGGEMFTHLYQRQYFKEAEVRVYGGEIVLALEHLHKLGIYRDLKLENVLLDSE GHIVLTDFGLSKEFLTEEKERTFSFCGTIEYMAPEIIRSKTGHGKAVDWWSLGILLFEL LTGASPFTLEGERNTQAEVSRRLKCSPPFPFRIGPVAQDLLQRLCKDPKKRLGAG PQGAQEVNRNHPFFQGLDWVALAARKIPAPFRPQIRSELVDGNFAEEFTRLEPVYSP PGSPPPGDPRIQGYSFVAPSILFDHNNVMTDGLAPGAGDRPGRAAVARSAMM

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QDSPFFQQYELDLREPALGQGSFSVCRRRCRQRQSGQEFQFAVKILSRRLAANTQREV
 AALRLCQSHPNVNLHEVHHDQLHTYLVLLELLRGGELLEHIRKKRHFSESEASQILRS
 LVSAVSFMHEEAGVVHRDLKPENILYADDTPGAPVKIIDFGFARLRPQSPGVPMQTP
 CFTLQYAAPELLAQQGYDESCDLWSLGVILYMMMLSGQVPFQGASGQGGQSQAEEI
 MCKIREGRFSLDGEAWQGVSEEAKELVRGLLTVDPAKRLKLEGLRGSSWLQDGSA
 RSSPPLRTPDVLESSGPAVRSGLNATFMAFNRGKREGFFLKSVENAPLAKRRKQKL
 RSATASRRGSPAPANPGRAPVASKGAPRRANGPLPPSTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

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	RPS6KA4 ribosomal protein S6 kinase A4 [Homo sapiens (human)]
Official Symbol	RPS6KA4
Synonyms	RPS6KA4; ribosomal protein S6 kinase, 90kDa, polypeptide 4; ribosomal protein S6 kinase, 90kD, polypeptide 4; ribosomal protein S6 kinase alpha-4; MSK2; RSK B; RSKB; S6K-alpha-4; ribosomal protein kinase B; ribosomal protein S6 kinase alpha 4; 90 kDa ribosomal protein S6 kinase 4; mitogen- and stress-activated protein kinase 2; nuclear mitogen- and stress-activated protein kinase 2; RSK-B;

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Gene ID	8986
mRNA Refseq	NM_003942
Protein Refseq	NP_003933
MIM	603606
UniProt ID	O75676
SDS-PAGE	