

Recombinant Human RPS6KA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RPS6KA5-4779H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS6KA5 MS Standard C13 and N15-labeled recombinant protein (NP_004746) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	RPS6KA5 (Ribosomal Protein S6 Kinase A5) is a Protein Coding gene. Diseases associated with RPS6KA5 include Septic Myocarditis and Coffin-Lowry Syndrome. Among its related pathways are Adenylate cyclase inhibitory pathway and Nuclear Events (kinase and transcription factor activation). Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is RPS6KA4.
Molecular Mass	89.7 kDa
AA Sequence	MEEEGGSSGGAAGTSADGGDGGEQLLTVKHELRTANLTGHAEKVGIENFELLKVLG TGAYGKVFLVRKISGHDTGKLYAMKVLKKATIVQKAKTTEHTRTERQVLEHIRQSPFL VTLHYAFQTETKLHLILDYINGGELFTHLSQRERFTEHEVQIYVGEIVLALEHLHLKLGII YRDIKLENILLDSNGHVVLTDGFLSKEFVADETERAYSFCGTIEYMAPDIVRGGDSGH DKAVDWWSLGVLMYELLTGASPFTVDGEKNSQAEISRRILKSEPPYPQEMSALAKD LIQRLLMKDPKKRLGCGPRDADEIKEHLFFQKINWDDLAACKVPAPFKPVIRDELVDVS

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NFAEEFTMDPTYSPAALPQSSEKLFQGYSFVAPSILFKRNAVIDPLQFHMVERP
 GVTNVARSAMMKDSPFYQHYDLDLKDKPLGEGSFSICRKCVCVHKKSNQAFVKIISKR
 MEANTQKEITALKLCEGHPNIVKLHEVFHDQLHTFLVMELLNGGELFERIKKKKHSE
 TEASYIMRKLVSASVSHMHDVGVVHRDLKPENLLFTDENDNLEIKIIDFGFARLKPPDN
 QPLKTPCFTLHYAAPPELLNQNGYDESCDLWSLGVILYTMLSGQVPFQSHDRSLTCT
 SAVEIMKKIKKGDFFSFEGEAWKNVSQEAKDLIQGLLTVDPNKRLKMSGRLRYNEWLQ
 DGSQSSNPLMTPDILGSSGAHVHTCVKATFHAFNKYKREGFCLQNVDKAPLAKRR
 KMKKTSTSTETRSSSSSESSHSSSSSHSGKTTPTKTLQPSNPADSNNPETLFQFSDS
 VATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 RPS6KA5 ribosomal protein S6 kinase A5 [Homo sapiens (human)]

Official Symbol RPS6KA5

Synonyms RPS6KA5; ribosomal protein S6 kinase, 90kDa, polypeptide 5; ribosomal protein S6 kinase, 90kD, polypeptide 5; ribosomal protein S6 kinase alpha-5; MSK1; RLPK; RSKL; S6K-alpha-5; RSK-like protein kinase; 90 kDa ribosomal protein S6 kinase 5; nuclear mitogen- and stress-activated protein kinase 1; MSPK1; MGC1911;

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Gene ID	9252
mRNA Refseq	NM_004755
Protein Refseq	NP_004746
MIM	603607
UniProt ID	O75582
SDS-PAGE	