

Recombinant Human RPS6KC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RPS6KC1-1949H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS6KC1 MS Standard C13 and N15-labeled recombinant protein (NP_036556) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Sphingosine kinase catalyzes the formation of sphingosine 1 phosphate, a lipid cellular messenger. The protein encoded by this gene can bind to sphingosine kinase and to phosphatidylinositol 3-phosphate, suggesting a role in sphingosine 1 phosphate signaling. The encoded protein can also bind to peroxiredoxin-3 and may help transport it to mitochondria.
Molecular Mass	118.7 kDa
AA Sequence	MTSYRERSADLARFYTVTEPQRHPRGYTVYKVTARVVSRRNPEDVQEIIWVKRYSD FKKLHKELWQIHKNLFRHSELFPPFAKGIVFGRFDETVEERRQCAEDLLQFSANIPA LYNSKQLEDFFKGGIINDSSELIGPAEAHSDSLIDTFPECSTEGFSSDSLDVSLTVDVD SLAELDDGMASNQNSPIRTFGLNLSSDSSALGAVASDSEQSKTEEEERESRSLFPGSL KPKLGKRDYLEKAGELIKLALKKEEEDDYEAASDFYRKGVDLLLEGVQGESSPTRRE AVKRRTAEYLMRAEISSLYGKPQLDDVSQPPGSLSSRPLWNLRSPEELKAFRVL GVIDKVLLVMDTRTEQTFILKGLRKSSEYSRNRKTIIPRCVPMVMVCLHKYIIEESVFLV LQHAEGGKLWSYISKFLNRSPEESFDIKEVKKPTLAKVHLQOPTSSPQDSSSFESRG

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SDGG SMLKALPLKSSLTPSSQDDSNQEDDGQDSSPKWPDSGSSSEEECTTSYLT
 CNEYGQEKIEPGSLNEEPPFMKTEGNGVDTKAIKSFPAPHLAADS DSPSTQLRAHELKF
 FPND DPEAVSSPRTSDSLSRSKNSPMEFFRIDSKDSASELLGLDFGEKLYSLKSEPL
 KPFFTL PDGDSASRSFNTSESKVEFKAQDTISRGSDDSVPVISFKDAAFDDVSGTDE
 GRPDLLVNLPGELESTREAAAMGPTKFTQTNIGIENKLL EAPDVLCLRLSTEQCQAH
 EEKGIEELSDPSGPKSYSITEKHYAQEDPRMLFVA AVDHSSSGDMSLLPSSDPKFQ
 GLGVVESAVTANNT EESLFRICSPLSGAN EYIASTD TLKTEEVLLFTDQTDDLAK EEP
 TSLFQRDSE TKGESGLVLEGDKEIHQIFEDLDKKLALASRFYIPEGCIQRWAAEMVVA
 LDALHREGIVCRDLNPN NILLNDRGHIQLTYFSRWSEVEDSCDSDAIERMYCAPEVG
 AITEETEACDWWSLGAVLFELLTGKTLVECHPAGINTHTTLNMPECVSEEARS LIQQL
 LQFNPLERLGAGVAGVEDIKSHPPFFTPVDWAELMRTRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

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 RPS6KC1 ribosomal protein S6 kinase C1 [Homo sapiens (human)]

Official Symbol RPS6KC1

Synonyms RPS6KC1; ribosomal protein S6 kinase, 52kDa, polypeptide 1; ribosomal protein S6

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kinase, 52kD, polypeptide 1; ribosomal protein S6 kinase delta-1; humS6PKh1; S6K-delta-1; SPHK1-binding protein; 52 kDa ribosomal protein S6 kinase; ribosomal S6 kinase-like protein with two PSK domains 118 kDa protein; RPK118;

Gene ID [26750](#)

mRNA Refseq [NM_012424](#)

Protein Refseq [NP_036556](#)

MIM [617517](#)

UniProt ID [Q96S38](#)

SDS-PAGE

