

Recombinant Human MAP4K5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAP4K5-2472H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAP4K5 MS Standard C13 and N15-labeled recombinant protein (NP_942089) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the serine/threonine protein kinase family, that is highly similar to yeast SPS1/STE20 kinase. Yeast SPS1/STE20 functions near the beginning of the MAP kinase signal cascades that is essential for yeast pheromone response. This kinase was shown to activate Jun kinase in mammalian cells, which suggested a role in stress response. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.
Molecular Mass	95.1 kDa
AA Sequence	MEAPLRPAADILRRNPQQDYELVQRVGSGTYGDVYKARNVHTGELAAVKIIKLEPGD DFSLIQQEIFMVKECKHCNIVAYFGSYLSREKLWICMEYCGGGSQDIYHVTGPLSEL QIAYVCRETLQGLAYLHTKGKMHARDIKGANILLTDHGDVKLADFGVAAKITATIAKRKS FIGTPYWMAPEVAAVEKNGGYNQLCDIWAVGITAIELGELQPPMFDLHPMRALFLMS KSNFQPPKLKDKTKWSSTFHNFKIALTKNPKKRPTAERLLTHTFVAQPGLSRALAV ELLDKVNPNPDNHAHYTEADDDDFEPHAIIRHTIRSTNRNARAERTASEINFDKLFQFEP PLRKETEAREDEMGLSSDPNFMLQWNPFDVGANTGKSTSKRAIPPLPPKPRISSYP

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EDNFPDEEKASTIKHCPDSESRAPQILRRQSSPSCGPVAETSSIGNGDGISKLMSEN
TEGSAQAPQLPRKKDKRDFPKPAINGLPPTPKVLMGACFSKVFDGCPLKINCATSWI
HPDTKDQYIIFGTEDGIYTLNLNELHEATMEQLFPRKCTWLYVINNTLMSLSEGKTFQ
LYSHNLIALFEHAKKPGLAHHQTHRFDPDRILPRKFALTTKIPDTKGCHKCCIVRNPYT
GHKYLCGALQSGIVLLQWYEPMQKFMLIKHFDPLPSPLNVFEMLVIPEQEYPMVCV
AISKGTESNQVVQFETINLNSASSWFTEIGAGSQQLDSIHVTQLERDTVLVCLDKFVK
IVNLQGKLGSSKKLASELSFDFRIESVCLQDSVLAFWKHGMQGKSFKSDEVTQEIS
DETRVFRLGSDRVVLESRPTEPTAHSNLYILAGHENSYTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

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 MAP4K5 mitogen-activated protein kinase kinase kinase kinase 5 [Homo sapiens (human)]

Official Symbol MAP4K5

Synonyms MAP4K5; mitogen-activated protein kinase kinase kinase kinase 5; GCKR; germinal center kinase related; KHS; KHS1; MEKKK 5; MEK kinase kinase 5; germinal center kinase-related; MAPK/ERK kinase kinase kinase 5; kinase homologous to

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SPS1/STE20; MAPKKKK5;

Gene ID 11183

mRNA Refseq NM_198794

Protein Refseq NP_942089

MIM 604923

UniProt ID Q9Y4K4

SDS-PAGE



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