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 DFSLIQQEIFMVKECKHCNIVAYFGSYLSREKLWICMEYCGGGSLQDIYHVTGPLSEL QIAYVCRETLQGLAYLHTKGKMHRDIKGANILLTDHGDVKLADFGVAAKITATIAKRKS FIGTPYWMAPEVAAVEKNGGYNQLCDIWAVGITAIELGELQPPMFDLHPMRALFLMS KSNFQPPKLKDKTKWSSTFHNFVKIALTKNPKKRPTAERLLTHTFVAQPGLSRALAV ELLDKVNNPDNHAHYTEADDDDFEPHAIIRHTIRSTNRNARAERTASEINFDKLQFEP PLRKETEARDEMGLSSDPNFMLQWNPFVDGANTGKSTSKRAIPPPLPPKPRISSYP

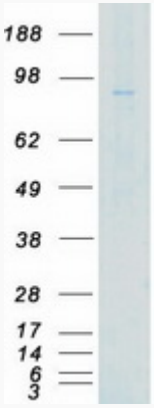
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Email: info@creative-biomart.com Fax: 1-631-938-8127
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	EDNFPDEEKASTIKHCPDSESRAPQILRRQSSPSCGPVAETSSIGNGDGISKLMSEN TEGSAQAPQLPRKKDKRDFPKPAINGLPPTPKVLMGACFSKVFDGCPLKINCATSWI HPDTKDQYIIFGTEDGIYTLNLNELHEATMEQLFPRKCTWLYVINNTLMSLSEGKTFQ LYSHNLIALFEHAKKPGLAAHIQTHRFPDRILPRKFALTTKIPDTKGCHKCCIVRNPYT GHKYLCGALQSGIVLLQWYEPMQKFMLIKHFDFPLPSPLNVFEMLVIPEQEYPMVCV AISKGTESNQVVQFETINLNSASSWFTEIGAGSQQLDSIHVTQLERDTVLVCLDKFVK IVNLQGKLKSSKKLASELSFDFRIESVVCLQDSVLAFWKHGMQGKSFKSDEVTQEIS DETRVFRLLGSDRVVVLESRPTENPTAHSNLYILAGHENSYTRTRPLEQKLISEEDLA 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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