

Recombinant Full Length Human MAP4K5 Protein, C-Flag-tagged

Cat. No. MAP4K5-1433HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MAP4K5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	94.9 kDa
AA Sequence	MEAPLRPAADILRRNPQQDYELVQRVGSGTYGDVYKARNVHTGELAAVKIIKLEPGD DFSLIQQEIFMVK ECKHCNIVAYFGSYLSREKLWICMEYCGGGSGLQDIYHVTGPLSE LQIAYVCRETQLGLAYLHTKGKMHRD IKGANILLTDHGDVKLADFGVAAKITATIAKR KSFIGTPYWMAPEVAAVEKNGGYNQLCDIWAVGITAIE LGELQPPMFDLHPMRALFL MSKSNFQPPKLKDKTKWSSTFHNFKIALTKNPKKRPTAERLLTHTFVAQP GLSRAL AVELLDKVNPNPDNHAHYTEADDDDFEPHAIIRHTIRSTNRNARAERTASEINFDKLQF

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EPPLRK ETEARDEMGLSSDPNFMQLQWNPFDVGANTGKSTSKRAIPPLPPKPRISS
 YPEDNFPDEEKASTIKHCPD SESRAPQILRRQSSPSCGPVAETSSIGNGDGISKLMS
 ENTEGSAQAPQLPRKKDKRDFPKPAINGLPPTP KVLMGACFSKVFDGCPLKINCAT
 SWIHPDTKDQYIIFGTEDGIYTLNLNELHEATMEQLFPRKCTWLYVI NNTLMSLSEGK
 TFQLYSHNLIALFEHAKKPGLAAHIQTHRFPDRILPRKFALTTKIPDTKGCHKCCIVRN
 PYTGHKYLCGALQSGIVLLQWYEPMQKFMLIKHFDPLPSPLNVFEMLVIPEQEYPM
 VCVAISKGTESNQ VVQFETINLNSASSWFTEIGAGSQQLDSIHVTQLERDTVLVCLD
 KFKIVNLQGKLGKSSKKLASELSFDF RIESVCLQDSVLAFWKHGMQGKSFKSDEVT
 QEISDETRVFRLLGSDRVVLESRPTENPTAHSNLYILA
 GHENSYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Full Length	Full L.

GENE INFORMATION

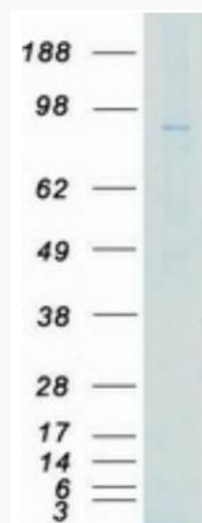
Gene Name	MAP4K5 mitogen-activated protein kinase kinase kinase 5 [Homo sapiens (human)]
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Official Symbol	MAP4K5
Synonyms	KHS; GCKR; KHS1; MAPKKKK5
Gene ID	11183
mRNA Refseq	NM_198794.4
Protein Refseq	NP_942089.1
MIM	604923
UniProt ID	Q9Y4K4



Coomassie blue staining of purified MAP4K5 protein.