

Product datasheet for **TP305952M**

MAP4K5 (NM_198794) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitogen-activated protein kinase kinase kinase kinase 5 (MAP4K5), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205952 protein sequence Red =Cloning site Green =Tags(s)

MEAPLRPAADILRRNPQQDYELVQRVGSGTYGDVYKARNVHTGELAAVKIIKLEPGDDFSLIQQEIFMVK
ECKHCNIVAYFGSYLSREKLWICMEYCGGSLQDIYHVTGPLSELQIAYVCRETLQGLAYLHTKGKMHDR
IKGANILLTDHGDVKLADFGVAAKITATIAKRKFIGTPYWMapevaAVEKNGGYNQLCDIWAVGITAIE
LGELQPPMFDLHPMRALFLMSKSNFQPPKLDKTKWSSTFHNFKIALTKNPKRPTAERLLTHTFVAQP
GLSRALAVELLDKVNPNPDNHAHYTEADDDDFEPHAIIRHTIRSTNRNARAERTASEINFDKLQFEPPLRK
ETEARDENGLSSDPNFMLQWNPFDGANTGKSTSKRAIPPLPPKPRISSYPEDNFPDEEKASTIKHCPD
SESRAQILRRQSSPSCGPVAETSSIGNGDGISKLMSENTEGSAQAPQLPRKKDKRDFPKPAINGLPPTP
KVLMGACFSKVFDCPLKINCATSWIHPDTPKDYIIFGTEDGIYTLNLNELHEATMEQLFPRKCTWLYVI
NNTLMSLSEGKTFQLYSHNLIALFEHAKKPLAAHIQTHRFDPDRILPRKFALTTKIPDTKGCHKCCIVRN
PYTGHKYLCGALQSGIVLLQWYEPMQKFMLIKHFDPLPSPLNVFEMLVIPEQEYPMVCVAISKGTESNQ
VVQFETINLNSASSWFTEIGAGSQQLDSIHVTQLERDTPVLCDFVKIVNLQGLKSSKKLASELSDFD
RIESVCLQDSVLAFWKHGMQGKSKSDEVTQEISDETRVFRLLGSDRVVLESRPTENPTAHSNLYILA
GHENSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	94.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_942089](#)

Locus ID: 11183

UniProt ID: [Q9Y4K4](#), [B3KWC4](#)

RefSeq Size: 4435

Cytogenetics: 14q22.1

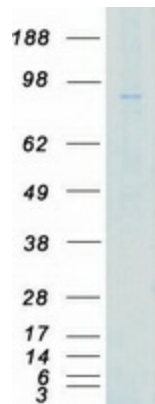
RefSeq ORF: 2538

Synonyms: GCKR; KHS; KHS1; MAPK5

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified MAP4K5 protein (Cat# [TP305952]). The protein was produced from HEK293T cells transfected with MAP4K5 cDNA clone (Cat# [RC205952]) using MegaTran 2.0 (Cat# [TT210002]).