

Product datasheet for **TP314358L**

MEKK1 (MAP3K1) (NM_005921) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens mitogen-activated protein kinase kinase kinase 1 (MAP3K1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214358 representing NM_005921 Red=Cloning site Green=Tags(s)

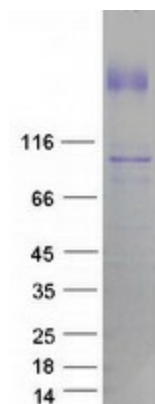
MAAAAGNRASSSGFPGARATSPEAGGGGGALKASSAPAAAAGLLREAGSGGRERADWRRRQLRKVRSVEL
DQLPEQPLFLAASPPASSTSPSEPADAAAGSGTGFQPVAVPPPHGAASRGGALHTESVAAPDSGASSPAA
AEPGEKRAPAAEPSPAAAAPAGREMENKETLKGLHKMDDRPEERMIREKLKATCMPAWKHEWLERRNRRGP
VVKPIPVKGDGSEMNHAAESPGEVQASAASPASKGRRSPSPGNPSGRTVKSES PGVRRKRVSVPVFPQ
SGRITPPRRRASPDPGFSPYSPEETNRRVNKVMRRLYLLQQIGPNSFLIGGSDPDNKYRVFIGPQNCSCA
RGTFCIHLLFVMLRVFQLEPSDPMLWRKTLKNFEVESLFQKYHSRRSSRIKAPSRNTIQKFVSRMSNSHT
LSSSSTSTSSSENSIKDEEEQMCPICLLGMLDEESLTVCEDGCRNKLHHHCMSIWAEECRNREPLICPL
CRSKWRSHDFYSHELSPVDS PSSLRAAQQQTVQQQPLAGSRRNQESNFNLTHYGTQQIPPAYKD LAEPW
IQVFGMELVGCLFSRNWNVREMLRRLSHDVSGALLLANGESTGNSGGSSGSSPSGGATSGSSQTSISGD
VVEACCSVLSMVCADPVYKYVAALKTLRAMLVYTPCHSLAERIKLQRLQPVVDTILVKCADANSRTSQ
LSISTLLELCKGQAGELAVGREILKAGSIGGGVDYVLNLCILGNQTESNNWQELLGRCLIDRLLLEFPA
EFYPHIVSTDVSAEPVEIRYKLLSLLTFALQSIDNSHSMVGKLSRRIYLSARMVTTVPHVFSKLEEM
LSVSSSTHFTRMRRRLMAIADEVEIAEAIQLGVEDTLDGQQDSFLQASVPNNYLETTENSPECTVHLEK
TGKGLCATKLSASSEDISERLASISVGPSSSTTTTTTTEQPKPMVQTKGRPHSQCLNSSPLSHHSQLMF
PALSTPSSSTPSVPAGTATDVSKHRLQGFI PCRIPSASPQTQRKFSLQFHRNCPENKDSDKLSPVFTQSR
PLPSSNIHRPKSRPTPGNTSKQGDPKNSMTLDLNSSSKCDDSF GCSSNSSNAVIPSDETVFTVPEEK
RLDVNTELNSSIEDLLEASMPSSDTTVTFKSEVAVLSPEKAENDDTYKDDVNHNQKCKEKMEAE EEEAL
IAMAMSASQDALPIVPQLQVENGEDIIIIQQDTPETLPGHTKAKQPYREDTEWLKGGQIGLGAFFSSCYQA
QDVGTGLMAVKQVTVYRNTSSEQEEVVEALREEIRMMSHLNHPNIIRMLGATCEKSNNLFI EW MAGGS
VAHLLSKYGAFKESVINYTEQLLRGLSYLHENQIIHRDVKGANLLIDSTGQRLRIADFGAAARLASKGT
GAGEFQGQLLGTIAFMAPEVLRGQQYGRSCDVWSVGC AIIEMACAKPPWNAEKHSNHLALIFKIASATTA
PSIPSHLSPGLRDVALRCLELQPQDRPPSRELLKHPVFRTTW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Tag:	C-Myc/DDK
Predicted MW:	164.3 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.
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_005912
Locus ID:	4214
UniProt ID:	Q13233
RefSeq Size:	7522
Cytogenetics:	5q11.2
RefSeq ORF:	4536
Synonyms:	MAPKKK1; MEKK; MEKK 1; MEKK1; SRXY6
Summary:	The protein encoded by this gene is a serine/threonine kinase and is part of some signal transduction cascades, including the ERK and JNK kinase pathways as well as the NF-kappa-B pathway. The encoded protein is activated by autophosphorylation and requires magnesium as a cofactor in phosphorylating other proteins. This protein has E3 ligase activity conferred by a plant homeodomain (PHD) in its N-terminus and phospho-kinase activity conferred by a kinase domain in its C-terminus. [provided by RefSeq, Mar 2012]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	GnRH signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, RIG-I-like receptor signaling pathway, Ubiquitin mediated proteolysis

Product images:

Coomassie blue staining of purified MAP3K1 protein (Cat# [TP314358]). The protein was produced from HEK293T cells transfected with MAP3K1 cDNA clone (Cat# [RC214358]) using MegaTran 2.0 (Cat# [TT210002]).