

Recombinant Human MAP3K1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAP3K1-2121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAP3K1 MS Standard C13 and N15-labeled recombinant protein (NP_005912) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	164.3 kDa
AA Sequence	MAAAAGNRASSSGFPGARATSPEAGGGGGALKASSAPAAAAGLLREAGSGGRER ADWRRRQLRKVRSVELDQLPEQPLFLAASPPASSTSPSPEPADAAGSGTGFPVA VPPPHGAASRGGAHLTESVAAPDSGASSPAAAEPGEKRAPAAEPSA AAPAGREM ENKETLKGLHKMDDRPEERMIREKLKATCMPAWKHEWLERRNRRGPVVVKPIPVK GDGSEMNHLAAESPGEVQASAASPASKGRRSPSPGNSPSGRTVKSESPGVRRKR VSPVPFQSGRITPPRRAPSPDGFSPYSPEETNRRVNKVMRARLYLLQQIGPNSFLIG GDSPDNKYRVFIGPQNCSCARGTFCIHLLFVMLRVFQLEPSDPMLWRKTLKNFEVE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SLFQKYHSRRSSRIKAPSRNTIQKFVSRMSNSHTLSSSSTSTSSSENSIKDEEEQMC
 PICLLGMLDEESLTVCEDGCRNKLHHHCMSIWAEECRNRNREPLICPLCRSKWRSRD
 FYSHELSSPVDSPSSLRAAQQTQVQQQPLAGSRRNQESNFNLTHTYGTQQIPPAYKD
 LAEPWQVFGMELVGCLFSRNWNVREMAIRRLSHDVSGALLLANGESTGNSGGSS
 GSSPSGGATSGSSQTSISGDVVEACCSVLSMVCADPVYKVYVAALKTLRAMLVYTP
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 AGSIGIGGVYVNLNLCILGNQTESNNWQELLGRLCLIDRLLLEFPAEFYPHIVSTDVSQ
 AEPVEIRYKLLSLLTFALQSIDNSHSMVGKLSRRIYLSSARMVTTVPHVFSKLEMLS
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 WLKGQQIGLGAFFSSCYQAQDVGTGTLMAVKQVTYVRNTSSEQEEVVEALREEIRM
 MSHLNHPNIIIRMLGATCEKSNYNLFIEWMAGGSVAHLLSKYGAFKESVVINYTEQLL
 RGLSYLHENQIIHRDVKGANLLIDSTGQRLRIADFGAAARLASKGTGAGEFQGQLLG
 TIAFMAPEVLRGQQYGRSCDVWSVGCAIEMACAKPPWNAEKHSNHLALIFKIASAT
 TAPSIPSHLSPGLRDVALRCLELQPQDRPPSRELLKHPVFRTTWTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

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

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Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [MAP3K1 mitogen-activated protein kinase kinase kinase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [MAP3K1](#)

Synonyms

MAP3K1; mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase; MEKK1, mitogen activated protein kinase kinase kinase 1; mitogen-activated protein kinase kinase kinase 1; MAPKKK1; MEKK; MEK kinase 1; MAP/ERK kinase kinase 1; MAPK/ERK kinase kinase 1; MEKK1; SRXY6; MEKK 1;

Gene ID [4214](#)

mRNA Refseq [NM_005921](#)

Protein Refseq [NP_005912](#)

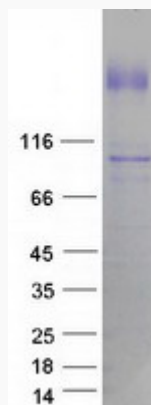
MIM [600982](#)

UniProt ID [Q13233](#)

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SDS-PAGE

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