



Recombinant Mouse Mitogen-activated protein kinase kinase kinase 3 (Map3k3)

Product Code	CSB-YP013425MO
Abbreviation	Map3k3
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q61084
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MDEQEALDSI MKDLVALQMS RRTRLGGYET MKNKDTGHPN RQSDVRIKFE HNGERRIIAF SRPVRYEDVE HKVTTVFGQP LDLHYMNNEL SILLKNQDDL DKAIDILDRS SSMKSLRILL LSQDRNHTSS SPHSGVSRQV RIKPSQSAGD INTIYQAPEP RSRHLSVSSQ NPGRSSPPPG YVPERQQHIA RQGSYTSINS EGEFIPETSE QCMLDPLSSA ENSLSGSCQS LDRSADSPSF RKSQMSRARS FPDNRKECSD RETQLYDKGV KGGTYPRRYH VSVHHKDYND GRRTFPRIRR HQQNLFTLVP SSRSLSTNGE NMGVAVQYLD PRGRLRSADS ENALTVQERN VPTKSPSAPI NWRRGKLLGQ GAFGRVYLCY DVDTGRELAS KQVQFDPDSP ETSKEVSALE CEIQLLKNLQ HERIVQYYGC LRDRAEKILT IFMEYMPGGS VKDQLKAYGA LTESVTRKYT RQILEGMSYL HSNMIVHRDI KGANILRDSA GNVKLGDFGA SKRLQTICMS GTGIRSVTGT PYWMSPEVIS GEGYGRKADV WSLGCTVVEM LTEKPPWAEY EAMAAIFKIA TQPTNPQLPS HISEHGRDFL RRIFVEARQR PSAEELLTHH FAQLVY
Source	Yeast
Target Names	Map3k3
Protein Names	Recommended name: Mitogen-activated protein kinase kinase kinase 3 EC=2.7.11.25 Alternative name(s): MAPK/ERK kinase kinase 3 Short name= MEK kinase 3 Short name= MEKK 3
Expression Region	1-626
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene product is a 626-amino acid polypeptide that is 96.5% identical to mouse Mekk3. Its catalytic domain is closely related to those of several other kinases, including mouse Mekk2, tobacco NPK, and yeast Ste11. Northern blot analysis revealed a 4.6-kb transcript that appears to be ubiquitously expressed.



This protein directly regulates the stress-activated protein kinase (SAPK) and extracellular signal-regulated protein kinase (ERK) pathways by activating SEK and MEK1/2 respectively; it does not regulate the p38 pathway. In cotransfection assays, it enhanced transcription from a nuclear factor kappa-B (NFkB)-dependent reporter gene, consistent with a role in the SAPK pathway. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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