



# Recombinant Mouse Dual specificity mitogen-activated protein kinase kinase 4 (Map2k4)

<b>Product Code</b>	CSB-MP013413MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P47809
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AAPSPSGGG GSGGGGGTPG PIGPPASGHP AVSSMQGKRK ALKLNANFANPP VKSTARFTLN PNTTGVQNPV IERLRTHSIE SSGKLKISPE QHWDFTAEDL KDLGEIGRGA YGSVNKMVHK PSGQIMAVKR IRSTVDEKEQ KQLLMDLDVV MRSSDCPYIV QFYGALFREG DCWICMELMS TSFDKFKYKYV YSVLDDVIPE EILGKITLAT VKALNHLKEN LKIIHRDIKP SNILLDRSGN IKLCDFGISG QLVDSIAKTR DAGCRPYMAP ERIDPSASRQ GYDVRSDVWS LGITLYELAT GRFPYPKWNS VFDQLTQVVK GDPPQLSNSE EREFSPSFIN FVNLCLTKDE SKRPKYKELL KHPFILMYEE RTVEVACYVC KILDQMPATP SSPMYVD
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Map2k4
<b>Protein Names</b>	Recommended name: Dual specificity mitogen-activated protein kinase kinase 4 Short name= MAP kinase kinase 4 Short name= MAPKK 4 EC= 2.7.12.2 Alternative name(s): C-JUN N-terminal kinase kinase 1 Short name= JNK kinase
<b>Expression Region</b>	2-397
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver.
<b>Reconstitution</b>	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

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.