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

Product Code	CSB-YP013413MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P47809
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	AAPSPSGGG GSGGGGGTPG PIGPPASGHP AVSSMQGKRK ALKLNFANPP VKSTARFTLN PNTTGVQNPH IERLRTHSIE SSGKLKISPE QHWDFTAEDL KDLGEIGRGA YGSVNKMVHK PSGQIMAVKR IRSTVDEKEQ KQLLMDLDVV MRSSDCPYIV QFYGALFREG DCWICMELMS TSFDKFYKYV YSVLDDVIPE EILGKITLAT VKALNHLKEN LKIIHRDIKP SNILLDRSGN IKLCDFGISG QLVDSIAKTR DAGCRPYMAP ERIDPSASRQ GYDVRSDVWS LGITLYELAT GRFPYPKWNS VFDQLTQVVK GDPPQLSNSE EREFSPSFIN FVNLCLTKDE SKRPKYKELL KHPFILMYEE RTVEVACYVC KILDQMPATP SSPMYVD
Source	Yeast
Target Names	Map2k4
Protein Names	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
Expression Region	2-397
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 of Mature Protein
Target Details	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.
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	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.