



# Recombinant Mouse Mitogen-activated protein kinase 8 (Mapk8)

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| <b>Product Code</b>      | CSB-MP013466MO   |
| <b>Abbreviation</b>      | Mapk8  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | Q91Y86   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSRSKRDNNF YSVEIGDSTF TVLKRYQNLK PIGSGAQQIV CAAYDAILER<br>NVAIKKLSRP FQNQTHAKRA YRELVLMKCV NHKNIIGLLN VFTPQKSLEE<br>FQDVYIVMEL MDANLCQVIQ MELDHERMSY LLYQMLCGIK HLHSAGIIHR<br>DLKPSNIVVK SDCTLKILDF GLARTAGTSF MTPYVVTRY YRAPEVILGM<br>GYKENVDLWS VGCIMGEMVC HKILFPGRDY IDQWNKVIEQ LGTPCPEFMK<br>KLQPTVRTYV ENRPKYAGYS FEKLFDPVLF PADSEHNKLN ASQARDLLSK<br>MLVIDASKRI SVDEALQHPY INVWYDPSEA EAPPPKIPDK QLDEREHTIE<br>EWKELIYKEV MDLEERTKNG VIRGQPSPLA QVQQ   |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | Mapk8  |
| <b>Protein Names</b>     | Recommended name: Mitogen-activated protein kinase 8 Short name= MAP kinase 8 Short name= MAPK 8 EC= 2.7.11.24 Alternative name(s): Stress-activated protein kinase JNK1 c-Jun N-terminal kinase 1   |
| <b>Expression Region</b> | 1-384  |
| <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 protein  |
| <b>Target Details</b>    | This protein is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of |



the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

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**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.

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**Shelf Life**

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