# Recombinant Mouse Mitogen-activated protein kinase 13 (Mapk13)

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| **Product Code** | CSB-MP013452MO |
| **Abbreviation** | Mapk13 |
| **Storage** | 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. |
| **Uniprot No.** | Q9Z1B7 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Mus musculus (Mouse) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MSLTRKRGFY KQDINKTAWE LPKTYLAPAH VGSGAYGAVC SAIDKRTGEK VAIKKLSRPF QSEIFAKRAY RELLLLKHMH HENVIGLLDV FTPASSLRSF HDFYLVMPFM QTDLQKIMGM EFSEDKVQYL VYQMLKGLKY IHSAGIVHRD LKPGNLAVNE DCELKILDFG LARHTDTEMT GYVVTRWYRA PEVILSWMHY NQTVDIWSVG CIMAEMLTGK TLFKGKDYLD QLTQILKVTG VPGAEFVQKL KDKAAKSYIQ SLPQSPKKDF TQLFPRASPQ AADLLDKMLE LDVDKRLTAA QALAHPFFEP FRDPEEETEA QQPFDDALEH EKLSVDEWKQ HIYKEISNFS PIARKDSRRR SGMKLQ |
| **Source** | Mammalian cell |
| **Target Names** | Mapk13 |
| **Protein Names** | Recommended name: Mitogen-activated protein kinase 13 Short name= MAP kinase 13 Short name= MAPK 13 EC= 2.7.11.24 Alternative name(s): Mitogen-activated protein kinase p38 delta Short name= MAP kinase p38 delta Stre |
| **Expression Region** | 1-366 |
| **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 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 closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and cellular stress. MAP kinase kinases 3, and 6 can phosphorylate and activate this kinase. Transcription factor ATF2, and microtubule dynamics regulator stathmin have been shown to be the substrates of this kinase. |

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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. |
| **Shelf Life** | 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. |