



Recombinant Mouse Mitogen-activated protein kinase 12 (Mapk12)

Product Code	CSB-MP013451MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O08911
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSSPPPARKG FYRQEVTKTA WEVRAVYQDL QPVGSGAYGA VCSAVDSRTG NKVAIKKLYR PFQSEFAKR AYRELRLKH MRHENVIGLL DVFTPDES LD DFTDFYLVMP FMGTDLGKLM KHETLSEDRI QFLVYQMLKG LKYIHAAGVI HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYVVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKILFKGND HLDQLKEIMK ITGTPPPEFV QKLQSAEAKN YMEGLPELEK KDFASVLTNA SPQAVNLLER MLVLDAEQRV TAAEALTHPY FESLRDTEDE PKAQKYDDSF DDVDRTLEEW KRVTYKEVLS FKPPRQLGAR VPKETAL
Source	Mammalian cell
Target Names	Mapk12
Protein Names	Recommended name: Mitogen-activated protein kinase 12 Short name= MAP kinase 12 Short name= MAPK 12 EC= 2.7.11.24 Alternative name(s): Extracellular signal-regulated kinase 6 Short name= ERK-6 Mitogen-activated prot
Expression Region	1-367
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	Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. This protein functions as a signal transducer during differentiation of myoblasts to myotubes.
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.