



Recombinant Rat Mitogen-activated protein kinase 12 (Mapk12)

Product Code	CSB-EP013451RA-B
Abbreviation	Mapk12
Storage	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.
Uniprot No.	Q63538
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSSPPARKG FYRQEVTKTA WEVRAVYQDL QPVGSGAYGA VCSAVDSRTG NKVAIKKLYR PFQSEFAKR AYRELRLKHK MRHENVIGLL DVFTPDETLD DFTDFYLVMP FMGTDLGKLM KHETLSEDRI QFLVYQMLKG LKYIHAAGVI HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYVVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKILFKGND HLDQLKEIMK VTGTPPEFV QKLQSAEAKN YMEGLPELEK KDFASVLTNA SPQAVNLLK MLVLDAEQRV TAAEALAHYPY FESLRDTEDE PKAQKYDDSF DDVDRTLEEW KRVTYKEVLS FKPPRQLGAR VPKETAL
Source	E.coli
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

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