



Recombinant Mouse MAP kinase-activated protein kinase 5 (Mapkapk5)

Product Code	CSB-EP013475MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O54992
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	<p>MSEDSDMEKA IKETSILEEY SINWTQKLGA GISGPVRVCV KKSTQERFAL KILLDRPKAR NEVRLHMMCA THPNIVQIIE VFANSVQFPH ESSPRARLLI VMEMMEGGEL FHRISQHRHF TEKQASQVTK QIALALQHCH LLNIAHRDLK PENLLFKDNS LDAPVKLCDF GFAKVDQGD L MTPQFTPYV APQVLEAQR HQKEKSGIIP TSPTPYTYNK SCDLWSLGI IYVMLCGYPP FYSKHHSRTI PKDMRKKIMT GSFEFPEEEW SQISEMAKDV VRKLLKVKPE ERLTIEGVLD HPWLNSTEAL DNVLPQAQLM MDKAVVAGIQ QAHAEQLANM RIQDLKVS LK PLHSVNNPIL RKRKLLGTKP KDGIIYHDHE NGTEDSNVAL EKL RDVIAQC ILPQAGKGEN EDEKLNEVMQ EAWKYNRECK LLRDALQSFS WNGRGFTDKV DRLKLAEVVK QVIEEQTLPH EPQ</p>
Source	E.coli
Target Names	Mapkapk5
Protein Names	Recommended name: MAP kinase-activated protein kinase 5 Short name= MAPK-activated protein kinase 5 Short name= MAPKAP kinase 5 Short name= MAPKAPK-5 EC= 2.7.11.1
Expression Region	1-473
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 serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. In vitro, this kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported.
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.