



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

<b>Product Code</b>	CSB-EP013475MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O54992
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MSESDSMEKA 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>
<b>Source</b>	E.coli
<b>Target Names</b>	Mapkapk5
<b>Protein Names</b>	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
<b>Expression Region</b>	1-473
<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 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.
<b>Reconstitution</b>	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.