



# Recombinant Mouse Mitogen-activated protein kinase 4 (Mapk4)

<b>Product Code</b>	CSB-BP013457MO
<b>Abbreviation</b>	Mapk4
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q6P5G0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAEKGDCIAS VYGYDLGGRF IDFQPLGFGV NGLVLSATDS RACRKVAVKK IVLSDARSMK HALREIKIIR RLDHDNIVKV YEVLGPKGSD LQGELFKFSV AYIVQEYMET DLACLEQGT LTEDHAKLFM YQLLRGLKYI HSANVLHRDL KPANIFISTE DLVLKIGDFG LARIVDQHYS HKGYLSEGLV TKWYRSPRL LSPNNYTKAI DMWAAGCILA EMLTGKMLFA GAHELEQMQL ILDTIPVRE EDKEELLRVM PSFVSSTWEV KRPLRKLDPD VNSEAIDFLE KILTFNPMDR LTAEMGLQHP YMSPYSCPED EPTSQHPFRI EDEIDDIVLM AASQSQLSNW DRYPVSLSSD LEWRPDRCD ASEVQRDPRA GSTPLAEDVQ VDPRKDSQSS SERFLEQSHS SMERAFEADY GRSCDYKVGPSYLDKLLWR DNKPHHYSEP KLILDLSHWK QAASAPPRAA VAADPVSRED EPASLFLEIA QWVKSTQSGS ERASPPDAP EPRLSASPPG HPTPIDGGAS PQFDLDFVIS RALKLCTKPE DLPENKLGDL NGACISEHPG DLVQTEAFSK ERW
<b>Source</b>	Baculovirus
<b>Target Names</b>	Mapk4
<b>Protein Names</b>	Recommended name: Mitogen-activated protein kinase 4 Short name= MAP kinase 4 Short name= MAPK 4 EC= 2.7.11.24 Alternative name(s): Extracellular signal-regulated kinase 4 Short name= ERK-4
<b>Expression Region</b>	1-583
<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>	Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus where it phosphorylates nuclear targets.

**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.