



Recombinant *Xenopus laevis* Mitogen-activated protein kinase 1 (mapk1)

Product Code	CSB-EP013448XBE-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P26696
Product Type	Recombinant Protein
Immunogen Species	<i>Xenopus laevis</i> (African clawed frog)
Purity	>85% (SDS-PAGE)
Sequence	MAAAGAASNP GGGPEMVRGQ AFDVGPYIN LAYIGEGAYG MVCSAHDNVN KVRVAIKKIS PFEHQTYCQR TLREIKILLR FKHENIIGIN DIIRAPTIEQ MKDVYIVQDL METDLYKLLK TQHLSNDHIC YFLYQILRGL KYIHSANVLH RDLKPSNLLL NTTCDLKICD FGLARVADPD HDHTGFLTEY VATRWYRAPE IMLNSKGYTK SIDIWSVGCI LAEMLSNRPI FPGKHLYDQL NHILGILGSP SQEDLNCIIN LKARNYLLSL PHKNKVPWNR LFPNADPKAL DLLDKMLTFN PHKRIEVEAA LAHPYLEQYY DPSDEPVAEA PFKFEMELDD LPKETLKELI FEETARFQPG Y
Source	E.coli
Target Names	mapk1
Protein Names	Recommended name: Mitogen-activated protein kinase 1 Short name= MAP kinase 1 Short name= MAPK 1 EC= 2.7.11.24 Alternative name(s): M phase MAP kinase Myelin basic protein kinase Short name= MBP kinase Myelin xP
Expression Region	1-361
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
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.