



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

<b>Product Code</b>	CSB-BP013448XBE
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P26696
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Xenopus laevis</i> (African clawed frog)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAAAGAASNP GGGPEMVRGQ AFDVGPRIYIN LAYIGEGAYG MVCSAHDNVN KVRVAIKKIS PFEHQTYCQR TLREIKILLR FKHENIIGIN DIIRAPTIEQ MKDVYIVQDL METDLYKLLK TQHLSDNHIC YFLYQILRGL KYIHSANVLH RDLKPSNLLL NTTCDLKICD FGLARVADPD HDHTGFLTEY VATRWYRAPE IMLNSKGYTK SIDIWSVGC LAEMLSNRPI FPGKHYLDQL NHILGILGSP SQEDLNCCIIN LKARNYLLSL PHKNKVPWNR LFPNADPKAL DLLDKMLTFN PHKRIEVEAA LAHPYLEQYY DPSDEPVAEA PFKFEMELDD LPKETLKELI FEETARFQPG Y
<b>Source</b>	Baculovirus
<b>Target Names</b>	mapk1
<b>Protein Names</b>	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
<b>Expression Region</b>	1-361
<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>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.
<b>Shelf Life</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.