



Recombinant Human Mitogen-activated protein kinase 11 (MAPK11)

Product Code	CSB-EP013450HU-B
Abbreviation	MAPK11
Storage	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.
Uniprot No.	Q15759
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSGPRAGFYR QELNKTWVEV PQLRQGLRPV GSGAYGSVCS AYDARLRQKV AVKKLSRPFQ SLIHARRTYR ELRLLKHLKH ENVIGLLDVF TPATSIEDFS EVYLVTTLMG ADLNNIVKCQ ALSDEHVQFL VYQLLRGLKY IHSAGIIHRD LKPSNVAVNE DCELRILDFG LARQADEEMT GYVATRWYRA PEIMLNWMHY NQTVDIWSVG CIMAELLQ GK ALFPGSDYID QLKRIMEVVG TPSPEVLAKI SSEHARTYIQ SLPPMPQKDL SSIFRGANPL AIDLLGRMLV LDSDQRVSAA EALAHAYFSQ YHDPEDPEA EPYDESVEAK ERTLEEWKEL TYQEVLSFKP PEPPKPPGSL EIEQ
Source	E.coli
Target Names	MAPK11
Protein Names	Recommended name: Mitogen-activated protein kinase 11 Short name= MAP kinase 11 Short name= MAPK 11 EC= 2.7.11.24 Alternative name(s): Mitogen-activated protein kinase p38 beta Short name= MAP kinase p38 beta Short
Expression Region	1-364
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 MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. This kinase is most closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and environmental stress. This kinase is activated through its phosphorylation by MAP kinase kinases (MKKs), preferably by MKK6. Transcription factor ATF2/CREB2 has been shown to be a substrate of this kinase.



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.