



Recombinant Rat Mitogen-activated protein kinase 13 (Mapk13)

Product Code	CSB-EP013452RA-B
Abbreviation	Mapk13
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.	Q9WTY9
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSLIRKRGFY KQDINKTAW E LPKTYLAPAH VGSGAYGAVC SAIDKRTG EK VAIKKLSRPF QSEIFAKRAY RELL L L L K H M H H E N V I G L L D V Y T P A T S V R N F QDFYLVMPFM QTDLQKIMG M EFSEEKVQYL VYQMLKGLKY IHSAGIVHRD LKPGNLAVNE DCE L K I L D F G L A R H T D A E M T G Y V V T R W Y R A P E V I L S W M H Y NQTVDIWSVG CIMAEMLTGK TLFK GKDYLD QLTQILKVTG VPGA E F V Q K L KD K A A K S Y I Q S L P Q S P K K D F T Q L F P R A S P Q A V D L L D K M L E L D V D K R L T A A Q A L A H P L F E P L R D P E E E T E A Q Q P F D D A L E R E N L S V D E W K Q H I Y K E I A N F S P I A R K D S R R R S G M K L Q
Source	E.coli
Target Names	Mapk13
Protein Names	Recommended name: Mitogen-activated protein kinase 13 Short name= MAP kinase 13 Short name= MAPK 13 EC= 2.7.11.24 Alternative name(s): Mitogen-activated protein kinase p38 delta Short name= MAP kinase p38 delta Stre
Expression Region	1-366
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 closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and cellular stress. MAP kinase kinases 3, and 6 can phosphorylate and activate this kinase. Transcription factor ATF2, and microtubule dynamics regulator stathmin have been shown to be the substrates 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

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