



# Recombinant Human Mitogen-activated protein kinase kinase kinase 8 (MAP3K8)

<b>Product Code</b>	CSB-EP013433HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P41279
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEYMSTGSDN KEEIDLLIKH LNVSDVIDIM ENLYASEEPA VYEPSLMTMC QDSNQNDERS KSLLLSGQEV PWLSSVRYGT VEDLLAFANH ISNTAKHFYG QRPQESGILL NMVITPQNGR YQIDSDVLLI PWKLYRNIQ SDFIPRGAFG KVYLAQDIKT KKRMAACKLIP VDQFKPSDVE IQACFRHENI AELYGAVLWG ETVHLFMEAG EGGSVLEKLE SCGPMREFEI IWVTKHVLKG LDFLHSHKVI HHDIKPSNIV FMSTKAVLVD FGLSVQMTED VYFPKDLRGT EIYMSPEVIL CRGHSTKADI YSLGATLIHM QTGTPPWVVKR YPRSAYPSYL YIIHKQAPPL EDIADDCSPG MRELIEASLE RNPNHRPRAA DLLKHEALNP PREDQPRCQS LDSALLERKR LLSRKELELP ENIADSSCTG STEESEMLKR QRSLYIDLGA LAGYFNLVVRG PPTLEYG
<b>Source</b>	E.coli
<b>Target Names</b>	MAP3K8
<b>Protein Names</b>	Recommended name: Mitogen-activated protein kinase kinase kinase 8 EC= 2.7.11.25 Alternative name(s): Cancer Osaka thyroid oncogene Proto-oncogene c-Cot Serine/threonine-protein kinase cot Tumor progression locus 2 Short nam
<b>Expression Region</b>	1-467
<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>	This gene was identified by its oncogenic transforming activity in cells. The encoded protein is a member of the serine/threonine protein kinase family. This kinase can activate both the MAP kinase and JNK kinase pathways. This kinase was shown to activate I $\kappa$ B kinases, and thus induce the nuclear production of NF- $\kappa$ B. This kinase was also found to promote the production of TNF- $\alpha$ and IL-2 during T lymphocyte activation. Studies of a similar gene in rat suggested the direct involvement of this kinase in the proteolysis of NF- $\kappa$ B1,p105 (NFKB1). This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity.



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**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.

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**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.