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

Product Code	CSB-MP013433HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P41279
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEYMSTGSDN KEEIDLLIKH LNVSDVIDIM ENLYASEEPA VYEPSLMTMC QDSNQNDERS KSLLLSGQEV PWLSSVRYGT VEDLLAFANH ISNTAKHFYG QRPQESGILL NMVITPQNGR YQIDSDVLLI PWKLTYRNIG SDFIPRGAFG KVYLAQDIKT KKRMACKLIP VDQFKPSDVE IQACFRHENI AELYGAVLWG ETVHLFMEAG EGGSVLEKLE SCGPMREFEI IWVTKHVLKG LDFLHSKKVI HHDIKPSNIV FMSTKAVLVD FGLSVQMTED VYFPKDLRGT EIYMSPEVIL CRGHSTKADI YSLGATLIHM QTGTPPWVKR YPRSAYPSYL YIIHKQAPPL EDIADDCSPG MRELIEASLE RNPNHRPRAA DLLKHEALNP PREDQPRCQS LDSALLERKR LLSRKELELP ENIADSSCTG STEESEMLKR QRSLYIDLGA LAGYFNLVRG PPTLEYG
Source	Mammalian cell
Target Names	MAP3K8
Protein Names	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
Expression Region	1-467
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 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 IkappaB kinases, and thus induce the nuclear production of NF-kappaB. 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-kappaB1,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.

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.