



# Recombinant Human Mitogen-activated protein kinase kinase kinase 7 (MAP3K7)

<b>Product Code</b>	CSB-EP013429HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43318
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSTASAASSS SSSSAGEMIE APSQVLNFEE IDYKEIEVEE VVGRGAFGVV CKAKWRAKDV AIKQIESESE RKAFIVELRQ LSRVNHPIV KLYGACLNPV CLVMEYAEGG SLYNVLHGAE PLPYTAAHA MSWCLQCSQG VAYLHSMQPK ALIHRDLKPP NLLLVAGGTV LKICDFGTAC DIQTHMTNNK GSAAWMAPEV FECSNYSEKC DVFSWGILW EVITRRKPFD EIGGPAFRIM WAVHNGTRPP LIKNLPKPIE SLMTRCWSKD PSQRPSMEEI VKIMTHLMRY FPGADEPLQY PCQYSDEGQS NSATSTGSFM DIASTNTSNK SDTNMEQVPA TNDTIKRLES KLLKNQAKQQ SESGRLSLGA SRGSSVESLP PTSEGKRMSA DMSEIARIA ATTAYSKPKR GHRKTASFGN ILDVPEIVIS GNGQPRRSI QDLTVTGTEP GQVSSRSSSP SVRMITSGP TSEKPTRSHP WTPDDSTDN GSDNSIPMAY LTLDHQLQPL APCPNSKESM AVFEQHCKMA QEYMKVQTEI ALLLQRKQEL VAELDQDEKD QQNTSRLVQE HKKLLDENKS LSTYYQQCKK QLEVIRSQQQ KRQGTGTS
<b>Source</b>	E.coli
<b>Target Names</b>	MAP3K7
<b>Protein Names</b>	Recommended name: Mitogen-activated protein kinase kinase kinase 7 EC=2.7.11.25 Alternative name(s): Transforming growth factor-beta-activated kinase 1 Short name= TGF-beta-activated kinase 1
<b>Expression Region</b>	1-606
<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 protein is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants



encoding distinct isoforms have been reported.

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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.