Recombinant Human Dual specificity mitogen-activated protein kinase kinase 7 (MAP2K7)

Product Code	CSB-EP013416HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14733
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AASSLEQKL SRLEAKLKQE NREARRRIDL NLDISPQRPR PTLQLPLAND GGSRSPSSES SPQHPTPPAR PRHMLGLPST LFTPRSMESI EIDQKLQEIM KQTGYLTIGG QRYQAEINDL ENLGEMGSGT CGQVWKMRFR KTGHVIAVKQ MRRSGNKEEN KRILMDLDVV LKSHDCPYIV QCFGTFITNT DVFIAMELMG TCAEKLKKRM QGPIPERILG KMTVAIVKAL YYLKEKHGVI HRDVKPSNIL LDERGQIKLC DFGISGRLVD SKAKTRSAGC AAYMAPERID PPDPTKPDYD IRADVWSLGI SLVELATGQF PYKNCKTDFE VLTKVLQEEP PLLPGHMGFS GDFQSFVKDC LTKDHRKRPK YNKLLEHSFI KRYETLEVDV ASWFKDVMAK TESPRTSGVL SQPHLPFFR
Source	E.coli
Target Names	MAP2K7
Protein Names	Recommended name: Dual specificity mitogen-activated protein kinase kinase 7 Short name= MAP kinase kinase 7 Short name= MAPKK 7 EC= 2.7.12.2 Alternative name(s): JNK-activating kinase 2 MAPK/ERK kinase 7 Short name=
Expression Region	2-419
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 of Mature Protein
Target Details	This protein is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found, but only one transcript variant has been supported and defined.
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.