



Recombinant Human Dual specificity mitogen-activated protein kinase kinase 4 (MAP2K4)

Product Code	CSB-EP013413HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P45985
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AAPSPSGGG GSGGGSGSGT PGPVGGSPAPG HPAVSSMQGK RKALKLNLFAN PPFKSTARFT LNPNTGVQN PHIERLRTHS IESSGKLIKIS PEQHWDFTAE DLKDLGEIGR GAYGSVNKMV HKPSGQIMAV KRIRSTVDEK EQKQLLMDLD VVMRSSDCPY IVQFYGALFR EGDCWICMEL MSTSFDFKFK YVYSLDDVI PEEILGKITL ATVKALNHLK ENLKIIHRDI KPSNILLDRS GNIKLCDFGI SGQLVDSIAK TRDAGCRPYM APERIDPSAS RQGYDVRS DV WSLGITLYEL ATGRFPYPKW NSVFDQLTQV VKGDPPQLSN SEEREFSPSF INFVNLCLTK DESKRPKYKE LLKHPFILMY EERAVEVACY VCKILDQMPA TPSSPMYVD
Source	E.coli
Target Names	MAP2K4
Protein Names	Recommended name: Dual specificity mitogen-activated protein kinase kinase 4 Short name= MAP kinase kinase 4 Short name= MAPKK 4 EC= 2.7.12.2 Alternative name(s): JNK-activating kinase 1 MAPK/ERK kinase 4 Short name=
Expression Region	2-399
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 gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver.
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.