



# Recombinant Human Mitogen-activated protein kinase 4 (MAPK4)

<b>Product Code</b>	CSB-EP013457HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P31152
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAEKGDCIAS VYGYDLGGRF VDFQPLGFGV NGLVLSAVDS RACRKVAVKK IALSDARSMK HALREIKIIR RLDHDNIVKV YEVLGPKGTD LQGELFKFSV AYIVQEYMET DLARLLEQGT LAEEHAKLFM YQLLRGLKYI HSANVLHRDL KPANIFISTE DLVLKIGDFG LARIVDQHYS HKGYLSEGLV TKWYRSPRLL LSPNNYTKAI DMWAAGCILA EMLTGRMLFA GAHELEQMQL ILETIPVIRE EDKDELLRVM PSFVSSTWEV KRPLRKLLPE VNSEAIDFLE KILTFNPMDR LTAEMGLQHP YMSPYSCPED EPTSQHPFRI EDEIDDIVLM AANQSQLSNW DTCSSRYPVS LSSDLEWRPD RCQDASEVQR DPRAGSAPLA EDVQVDPKRD SHSSSERFLE QSHSSMERAF EADYGRSCDY KVGSPSYLDK LLWRDNKPHH YSEPKLILD SHWKQAAGAP PTATGLADTG AREDEPASLF LEIAQWVKST QGGPEHASPP ADDPERRLSA SPPGRPAPVD GGASPQFDLD VFISRALKLC TKPEDLPDNK LGDLNGACIP EHPGDLVQTE AFSKERW
<b>Source</b>	E.coli
<b>Target Names</b>	MAPK4
<b>Protein Names</b>	Recommended name: Mitogen-activated protein kinase 4 Short name= MAP kinase 4 Short name= MAPK 4 EC= 2.7.11.24 Alternative name(s): Extracellular signal-regulated kinase 4 Short name= ERK-4 MAP kinase isoform p63
<b>Expression Region</b>	1-587
<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>	Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus where it phosphorylates nuclear targets.
<b>Reconstitution</b>	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.