



# Recombinant Human Serine/threonine-protein kinase MAK (MAK)

<b>Product Code</b>	CSB-MP013369HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20794
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNRYTTMRQL GDGTYGSVLM GKSNESEGELV AIKRMKRKFY SWDECMNLRE VKSLKKNLHA NVIKLKEVIR ENDHLYFIFE YMKENLYQLM KDRNKLPES VIRNIMYQIL QGLAFIHKHG FFHRDMKPEN LLCMGPPELVK IADFGLAREL RSQPPYTDYV STRWYRAPEV LLRSSVYSSP IDVWAVGSIM AELYMLRPLF PGTSEVDEIF KICQVLGTPK KSDWPEGYQL ASSMNFRRPQ CVPINLKTLL PNASNEAIQL MTEMLNWDPK KRPTASQALK HPYFQVGQVL GPSSNHLESK QSLNKQLQPL ESKPSLVEVE PKPLPDIIDQ VVGQPQPKTS QQPLQPIQPP QNLSVQQPPK QQSQEKPPQT LFPSIVKNMP TKPNGTSLSHK SGRRRWGQTI FKSGDSWEEL EDYDFGASHS KKPSMGVFKE KRKKDSPFRL PEPVPSGSNH STGENKSLPA VTSLKSDSEL STAPTSKQYY LKQSRYLPGV NPKKVSLIAS GKEINPHTWS NQLFPKSLGP VGAELAFKRS NAGNLGSYAT YNQSGYIPSF LKKEVQSAGQ RIHLAPLNAT ASEYTWNTKT GRGQFSGRTY NPTAKNLNIV NRAQPIPSVH GRTDWWAKYG GHR
<b>Source</b>	Mammalian cell
<b>Target Names</b>	MAK
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase MAK EC= 2.7.11.22 Alternative name(s): Male germ cell-associated kinase
<b>Expression Region</b>	1-623
<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>	The product of this gene is a serine/threonine protein kinase related to kinases involved in cell cycle regulation. It is expressed almost exclusively in the testis, primarily in germ cells. Studies of the mouse and rat homologs have localized the kinase to the chromosomes during meiosis in spermatogenesis, specifically to the synaptonemal complex that exists while homologous chromosomes are paired. There is, however, a study of the mouse homolog that has identified high levels of expression in developing sensory epithelia so its function may be more generalized.
<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.