



# Recombinant Mouse Serine/threonine-protein kinase 4 (Stk4)

<b>Product Code</b>	CSB-EP872834MO-B
<b>Abbreviation</b>	Stk4
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9JI11
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	METVQLRNPP RRQLKKLDED SLTKQPEEVF DVLEKLGEGS YGSVYKAIHK ETGQIVAIKQ VPVESDLQEI IKEISIMQQC DSPHVVKYYG SYFKNTDLWI VMEYCGAGSV SDIIRLRNKT LTEDIATIL QSTLKGLEYL HFMRKIHRDI KAGNILLNTE GHAKLADFGV AGQLTDTMAK RNTVIGTPFW MAPEVIQEIG YNCVADIWSL GITAIEMAEG KPPYADIHPM RAIFMIPTNP PPTFRKPELW SDNFMDFVKQ CLVKSPEQRA TATQLLQHPF VKSAKGVSIL RDLINAMDV KLKRQEAQQR EVDQDDEENS EEDEMDSGTM VRAAGDEMGT VRVASTMSGG ANTMIEHGDT LPSQLGTMVI NTEDEEEEGT MKRRDETMQP AKPSFLEYFE QKEKENQINS FGKNVSGSLK NSSDWKIPQD GDYEFLLKSWT VEDLQKROLLA LDPMMEQEME EIRQKYRSKR QPILDAIEAK KRRQQNF
<b>Source</b>	E.coli
<b>Target Names</b>	Stk4
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase 4 EC= 2.7.11.1 Alternative name(s): Mammalian STE20-like protein kinase 1 Short name= MST-1 STE20-like kinase MST1 Cleaved into the following 2 chains: 1. Serine/threonine-pro
<b>Expression Region</b>	1-487
<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 cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated



with apoptosis, and it is possible that this protein induces the chromatin condensation observed in this process.

---

**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.