



Recombinant *Macaca mulatta* (Rhesus macaque) Serine/threonine-protein kinase 4 (STK4)

Product Code	CSB-EP022855MOW
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A4K2T0
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca mulatta</i> (Rhesus macaque)
Purity	>85% (SDS-PAGE)
Sequence	METVQLRNPP RRQLKKLDED SLTKQPEEVF DVLEKLGEGS YGSVYKAIHK ETGQIVAIKQ VPVESDLQEI IKEISIMQQC DSPHVVKYYG SYFKNTDLWI VMEYCGAGSV SDIIRLRNKT LTEDDIATIL QSTLKGLEYL HFMRKIHARDI KAGNILLNTE GHAKLADFGV AGQLTDTMAK RNTVIGTPFW MAPEVIQEI YNCVADIWSL GITAIEMAEG KPPYADIHPM RAIFMIPTNP PPTFRKPELW SDNFTDFVKQ CLVKSPEQRA TATQLLQHPF VKSAKGVSI RDLINAMDV KLKRQESQQR EVDQDDEENS EEDEMDSGTM VRAVGDEMGT VRVASTMTDG ASTMIEHDDT LPSQLGTMVI NTEDEEEEGT MKRRDETMQP AKPSFLEYFE QKEKENQINS FGKSVPGPLK NSSDWKIPQD GDYEFLLKSWT VEDLQKRLLA LDPMMEQEIE EIRQKYQSKR QPILDAIEAK KRRQQNF
Source	E.coli
Target Names	STK4
Protein Names	Recommended name: Serine/threonine-protein kinase 4 EC= 2.7.11.1 Cleaved into the following 2 chains: 1. Serine/threonine-protein kinase 4 37kDa subunit Short name= 2. MST1/N 3. Serine/threonine-protein kinase 4 18kDa subunit
Expression Region	1-487
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 protein
Target Details	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.