



Recombinant Mouse Serine/threonine-protein kinase TBK1 (Tbk1)

Product Code	CSB-EP894827MO-B
Abbreviation	Tbk1
Storage	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.
Uniprot No.	Q9WUN2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MQSTSNHLWL LSDILGQGAT ANVFRGRHKK TGDLYAVKVF NNISFLRPVD VQMREFEVLK KLNHNKIVKL FAIEEETTTR HKVLIMEFCP CGSLYTVLEE PSNAYGLPES EFLIVLRDVV GGMNHLRENG IVHRDIKPGN IMRVIGEDGQ SVYKLTDFGA ARELEDDEQF VSLYGTEEYL HPDMYERAVL RKDHQKKYGA TVDLWSVGVT FYHAATGSLP FRPFEGPRRN KEVMYKIITG KPSGAISGVQ KAENGPIDWS GDMPLSCSLS QGLQALLTPV LANILEADQE KCWGFDQFFA ETSDVLHRMV IHVFSLQHMT AHKIYIHSYN TAAVFHELVEY KQTKIVSSNQ ELIYEGRRLV LELGRLAQHF PKTTEENPIF VTSREQLNTV GLRYEKISLP KIHPRYDLTG DASKAKAVTG VVCYACRTAS TLLLYQELMR KGVRWLVVELV KDDYNETVHK KTEVVITLDF CIRNIEKTVK VYEKLMKVNL EAAELGEISD IHTKLLRLSS SQGTIESSLQ DISSRLSPGG LLADTWAHQE GTHPRDRNVE KLQVLLNCIT EIYYQFKKDK AERRLAYNEE QIHKFDKQKL YYHATKAMSH FSEECVRKYE AFKDKSEEWK RKMLHLRKQL LSLTNQCFDI EEEVSKYQDY TNELQETLPQ KMLAASGGVK HAMAPIYPSS NTLVEMTLGM KKLKEEMEGV VKELAENNIH LERFGSLTMD GGLRNVDCD
Source	E.coli
Target Names	Tbk1
Protein Names	Recommended name: Serine/threonine-protein kinase TBK1 EC= 2.7.11.1 Alternative name(s): T2K TANK-binding kinase 1
Expression Region	1-729
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	The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for



destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFκB complex. This protein is similar to IκB kinases and can mediate NFκB activation in response to certain growth factors. For example, the protein can form a complex with the IκB protein TANK and TRAF2 and release the NFκB inhibition caused by TANK.

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.