



Recombinant Mouse Tyrosine-protein kinase BTK (Btk)

Product Code	CSB-MP002867MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35991
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	AAVILESIF LKRSQQKKKT SPLNFKKRLF LLTVHKLSYY EYDFERGRRG SKKGSIDVEK ITCVETVIPE KNPPPERQIP RRGEESSEME QISIIERFPY PFQVVYDEGP LYVFSPTTEL RKRWIHQLKN VIRYNSDLVQ KYHPCFWIDG QYLCCSQTAK NAMGCQILEN RINGSLKPGSS HRKTKKPLPP TPEEDQILKK PLPPEPTAAP ISTTELKKVV ALYDYMPMNA NDLQLRKGEE YFILEESNLP WWRARDKNGQ EGYIPSNYIT EAEDSIEMYE WYSKHMTRSQ AEQLLKQEGK EGGFIVRDSS KAGKYTVSVF AKSTGEPQGV IRHYVVCSTP QSQYYLAEKH LFSTIPELIN YHQHNSAGLI SRLKYPVSKQ NKNAPSTAGL GYGSWEIDPK DLTFLKELGT GQFGVVKYGK WRGQYDVAIK MIREGSMSED EFIEEAKVMM NLSHEKLVQL YGVCTKQRPI FIITEYMANG CLLNYLREMR HRFQTQQLLE MCKDVCEAME YLESKQFLHR DLAARNCLVN DQGVVKVSDF GLSRYVLDDE YTSSVGSKFP VRWSPPEVLM YSKFSSKSDI WAFGVLWWEI YSLGKMPYER FTNSETAEHI AQGLRLYRPH LASERVYTIM YSCWHEKADE RPSFKILLSN ILDVMDEES
Source	Mammalian cell
Target Names	Btk
Protein Names	Recommended name: Tyrosine-protein kinase BTK EC= 2.7.10.2 Alternative name(s): Agammaglobulinaemia tyrosine kinase Short name= ATK B-cell progenitor kinase Short name= BPK Bruton tyrosine kinase Kinase EMB
Expression Region	2-659
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 of Mature Protein
Target Details	This protein plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement.
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.