



# Recombinant Mouse Tyrosine-protein kinase BTK (Btk)

<b>Product Code</b>	CSB-YP002867MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P35991
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>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            DLTFLELGT 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</p>
<b>Source</b>	Yeast
<b>Target Names</b>	Btk
<b>Protein Names</b>	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
<b>Expression Region</b>	2-659
<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 of Mature Protein
<b>Target Details</b>	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.
<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.

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**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.