

# Recombinant Full Length Human BTK Protein, GST-tagged

**Cat. No.** BTK-1673HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human BTK full-length ORF ( NP_000052.1, 1 a.a. - 659 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	659 amino acids
<b>Description</b>	The protein encoded by this gene 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>Molecular Mass</b>	98.12 kDa
<b>AA Sequence</b>	<p>MAAVILESIF LKRSQQKKKT SPLNFKKRLF LLTVHKLSYY EYDFERGRG            SKKGSIDVEK ITCVETVVPE KNPPPERQIP RRGEESSEME QISIIERFPY            PFQVVYDEGP LYVFSPTTEL RKRWIHQQLN VIRYNSDLVQ KYHPCFWIDG            QYLCCSQTAK NAMGCQILEN RINGSLKPGSS HRKTKKPLPP TPEEDQILKK            PLPPEPAAAP VSTSELKKVV ALYDYMPMNA NDLQLRKGDE YFILEESNLP            WWRARDKNGQ EGYIPSNYVT EAEDSIEMYE WYSKHMTRSQ AEQLLKQEGK            EGGFIVRDSS KAGKYTVSVF AKSTGDPQGV IRHYVVCSTP QSQYYLAEKH            LFSTIPELIN YHQHNSAGLI SRLKYPVSQQ NKNAPSTAGL GYGSWEIDPK            DLTFLKELGT GQFGVVKYGK WRGQYDVAIK MIKEGSMSED EFIEEAKVMM</p>

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NLSHEKLVQL YGVCTKQRPI FIITEYMANG CLLNYLREMR HRFQTQQLLE  
MCKDVCEAME YLESKQFLHR DLAARNCLVN DQGVVKVSDF GLSRYVLDDE  
YTSSVGSKFP VRWSPPEVLM YSKFSSKSDI WAFGVLMWEI YSLGKMPYER  
FTNSETAEHI AQGLRLYRPH LASEKVYTIM YSCWHEKADE RPTFKILLSN  
ILDVMDEES

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [BTK Bruton agammaglobulinemia tyrosine kinase \[ Homo sapiens \]](#)

**Official Symbol** [BTK](#)

**Synonyms** BTK; Bruton agammaglobulinemia tyrosine kinase; AGMX1, IMD1; tyrosine-protein kinase BTK; ATK; PSCTK1; XLA; B-cell progenitor kinase; agammaglobulinaemia tyrosine kinase; tyrosine-protein kinase BTK isoform (lacking exon 14); dominant-negative kinase-deficient Brutons tyrosine kinase; AT; BPK; IMD1; AGMX1; MGC126261; MGC126262

**Gene ID** [695](#)

**mRNA Refseq** [NM\\_000061](#)

**Protein Refseq** [NP\\_000052](#)

**MIM** [300300](#)

**UniProt ID** [Q06187](#)

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