

Recombinant Full Length Human BTK Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human BTK full-length ORF (NP_000052.1, 1 a.a. - 659 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	659 amino acids
Description	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.
Molecular Mass	98.12 kDa
AA Sequence	MAAVILESIF LKRSQQKKKT SPLNFKKRLF LLTVHKLSYY EYDFERGRRG SKKGSIDVEK ITCVETVVPE KNPPPERQIP RRGEESSEME QISIIERFPY PFQVVYDEGP LYVFSPTEEL RKRWIHQ LKN VIRYNSDLVQ KYHPCFWIDG QYLCCSQ TAK NAMGCQILEN RINGSLKPGSS HRKTKKPLPP TPEEDQILKK PLPPEPAAAP VSTSELKKVV ALYDYPMPNA NDLQLRKGDE YFILEESNLP WWRARDKNGQ EGYIPSNYVT EAEDSIEMYE WYSKHMTRSQ AEQLLKQEGK EGGFIVRDSS KAGKYTVSVF AKSTGDPQGV IRHYVVCSTP QSQYYLAEKH LFSTIPELIN YHQHNSAGLI SRLKYPVSQQ NKNAPSTAGL GYGSW EIDPK DLTFLKELGT GQFGVVKYGK WRGQYDVAIK MIKEGSMSED EFIEEAKVMM

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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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