

## Active Recombinant Human BTK protein, N-His-tagged

Cat. No. BTK-398H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human BTK protein(NP_000052.1) (Met 1-Ser 659) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-659 aa
<b>Form</b>	Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4.
<b>Bio-activity</b>	1. The specific activity was determined to be 115 nmol/min/mg using Poly(Glu,Tyr)4:1 peptide as substrate. 2. Measured by its ability to bind human BLNK in a functional ELISA.
<b>Molecular Mass</b>	The recombinant human BTK consists of 670 amino acids and predicts a molecular mass of 77.8 kDa. It migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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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