

Recombinant Human BTK (R562W) Mutant Protein, GST-tagged

Cat. No. BTK-06H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human BTK (R562W) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
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. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	Approx 101 kDa
Purity	> 80%
Stability	One year at -70 centigrade from data of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 µg/µL

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Storage Buffer Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 25% glycerol.

Shipping Dry ice

GENE INFORMATION

Gene Name BTK Bruton tyrosine kinase [Homo sapiens (human)]

Official Symbol BTK

Synonyms BTK; Bruton tyrosine kinase; AT; ATK; BPK; XLA; IMD1; AGMX1; IGHD3; PSCTK1; tyrosine-protein kinase BTK; B-cell progenitor kinase; Bruton agammaglobulinemia tyrosine kinase; Bruton's tyrosine kinase; agammaglobulinaemia tyrosine kinase; dominant-negative kinase-deficient Brutons tyrosine kinase; truncated Bruton agammaglobulinemia tyrosine kinase; EC 2.7.10.2

Gene ID 695

mRNA Refseq NM_000061

Protein Refseq NP_000052

MIM 300300

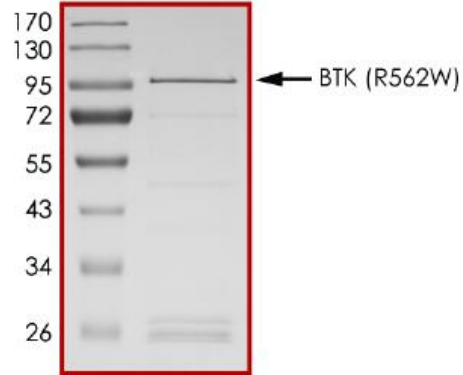
UniProt ID Q06187

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Purity



The purity was determined to be > 80% by densitometry.

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