

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

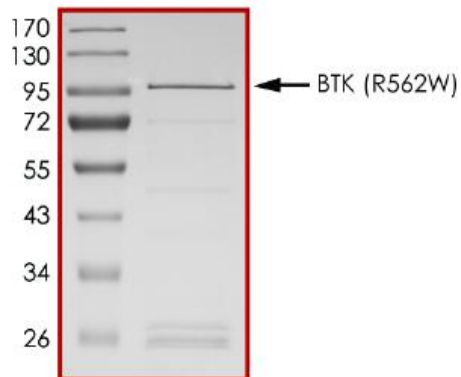
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Storage Buffer	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 25% glycerol.
Shipping	Dry ice
GENE INFORMATION	
Gene Name	BTK Bruton tyrosine kinase [Homo sapiens (human)]
Official Symbol	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

Purity



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

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