PRODUCT INFORMATION

Target	BTK
Synonyms	AGMX1;AT;ATK;BPK;IGHD3;IMD1;PSCTK1;XLA
Description	Recombinant Human BTK Protein with C-terminal 3×Flag tag
Delivery	In Stock
Uniprot ID	Q06187
Expression Host	HEK293
Tag	C-3×Flag Tag
Molecular Characterization	BTK(Met1-Ser659) 3×Flag tag
Molecular Weight	The protein has a predicted molecular mass of 79.2 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Dec 2013]
Usage	Research use only
Conjugate	Unconjugated

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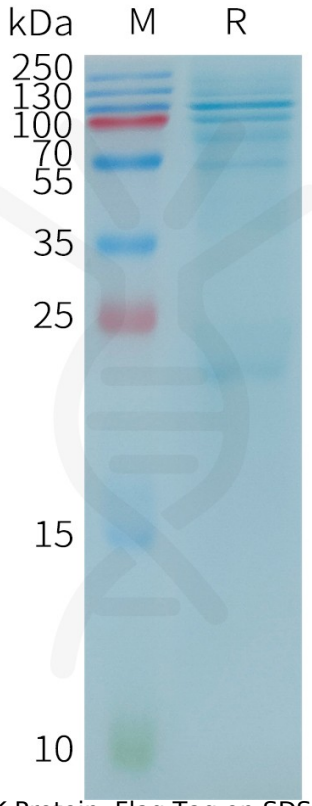


Figure 1. Human BTK Protein, Flag Tag on SDS-PAGE under reducing condition.

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