

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                                                                                                                                                                                                                                                                                                                                                                                                                |



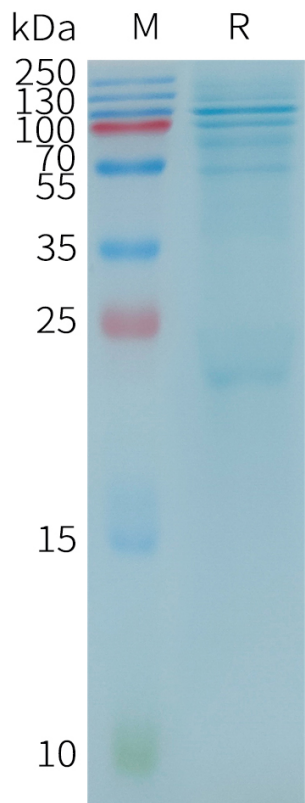


Figure 1. Human BTK Protein, Flag Tag on SDS-PAGE under reducing condition.

