

HUMAN BTK PROTEIN, FLAG TAG**Cat.#:** 11846**Product Name:** Human BTK Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** AGMX1;AT;ATK;BPK;IGHD3;IMD1;PSCTK1;XLA**Target:** BTK**UNIPROT ID:** Q06187**Description:** Recombinant Human BTK Protein with C-terminal 3xFlag tag**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]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 79.2 kDa after removal of the signal peptide.**Molecular Characterization:** BTK(Met1-Ser659) 3xFlag tag**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**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.

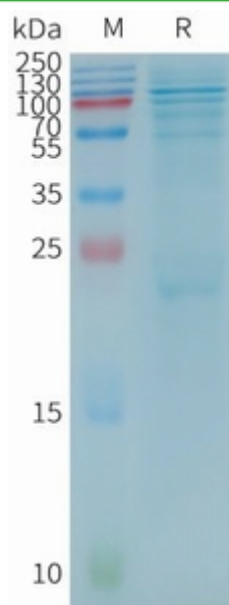


Figure 1. Human BTK Protein, Flag Tag on SDS-PAGE under reducing condition.