BTK (C481S) Recombinant Protein | BTK recombinant protein

BTK (C481S), Active

CATALOG #	HOST	APPLICATIONS
AAA73275	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

BTK (C481S); Active; AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK; BTK recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, and 25% glycerol.
Applicable Applications for BTK recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for BTK recombinant protein	Recombinant full-length human BTK (C481S) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_000061. BTK (also known as Bruton tyrosine kinase) plays a crucial role in B-lymphocyte differentiation and activation. BTK interacts with SRC homology 3 domains of FYN, LYN and HCK that are activated upon stimulation of B-and T-cell receptors (1).Defects in the BTK gene cause Agammaglobulinemia, an X-linked immunodeficiency characterized by failure to produce mature B lymphocyte cells and associated with a failure of Ig heavy chain rearrangement. The unique role of BTK makes it a desirable target for potential anti-cancer, anti-inflammatory and anti-viral agents as well as other treatments (2).
Product Categories/Family for BTK recombinant protein	Mutant Kinases; Cancer; Cytoplasmic Tyrosine Kinases; Inflammation; NfkB Pathway
References	1. Cheng, G. et al: Binding of Bruton's tyrosine kinase to Fyn, Lyn, or Hck through a Src homology 3 domain-mediated interaction. Proc. Nat. Acad. Sci. 91: 8152-8155, 1994. 2. Vassilev, A O. et al: Therapeutic potential of inhibiting Bruton's tyrosine kinase, (BTK).Curr Pharm Des. 2004;10(15):1757-66.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_000061
Molecular Weight	~75kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/btk-c481s-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73275