

# Human Bruton Tyrosine Kinase / BTK Kinase (His Tag) recombinant protein



Catalog Number: 501523

## General Information

### Protein Construction

A DNA sequence encoding the human BTK (NP\_000052.1) (Met 1-Ser 659) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. The specific activity was determined to be 115 nmol/min/mg using Poly(Glu,Tyr)4:1 peptide as substrate.
2. Measured by its ability to bind human BLNK in a functional ELISA.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

## Molecular Mass

The secreted recombinant human BTK consists of 670 amino acids and predicts a molecular mass of 77.8 KDa.

### Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

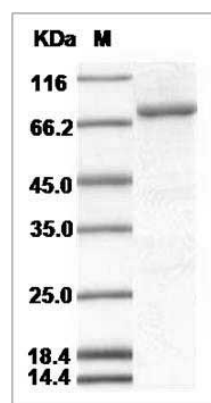
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human Bruton Tyrosine Kinase / BTK Kinase Protein (His Tag) SDS-PAGE