Recombinant Human BTK Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. BTK-398HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant human BTK (NP_000052.1) (Met 1-Ser 659), fused with a C-terminal polyhistidine tag, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	670
Form	Lyophilized
Molecular Mass	The secreted recombinant human BTK consists of 670 amino acids and predicts a molecular mass of 77.8 kDa. The apparent molecular mass of the protein is approximately 76 kDa in SDS-PAGE under reducing conditions due to glycosylation.
N-terminal Sequence Analysis	Met
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 75 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer

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	Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10% glycerol, pH 7.0. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	BTK Bruton agammaglobulinemia tyrosine kinase [Homo sapiens]
Official Symbol	BTK
Gene ID	695
mRNA Refseq	NM_000061
Protein Refseq	NP_000052
MIM	300300

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UniProt ID	Q06187

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