

Active Recombinant Full Length Human BTK Protein, Flag tagged

Cat. No. BTK-20HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BTK protein was expressed in a baculovirus expression system as the full length protein (accession number NP_000052.1) with an N-terminal FLAG tag.
Species	Human
Source	Insect Cells
ProteinLength	1-659 aa
Description	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.
Form	Recombinant BTK protein is in 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5mM TCEP.
Molecular Mass	77.6 kDa
Purity	≥ 95%
Applications	Recombinant BTK protein is suitable for use in the study of enzyme kinetics, inhibitor

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screening, and selectivity profiling.

Storage

Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

Concentration

0.5 µg/µL

GENE INFORMATION

Gene Name

BTK Bruton tyrosine kinase [Homo sapiens (human)]

Official Symbol

BTK

Synonyms

BTK; Bruton tyrosine kinase; AT; ATK; BPK; XLA; IMD1; AGMX1; IGHD3; PSCTK1; tyrosine-protein kinase BTK; B-cell progenitor kinase; Bruton agammaglobulinemia tyrosine kinase; Bruton's tyrosine kinase; agammaglobulinaemia tyrosine kinase; dominant-negative kinase-deficient Brutons tyrosine kinase; EC 2.7.10.2

Gene ID

695

mRNA Refseq

NM_000061

Protein Refseq

NP_000052

MIM

300300

UniProt ID

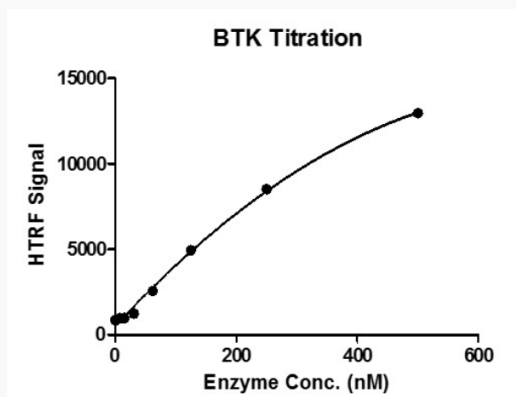
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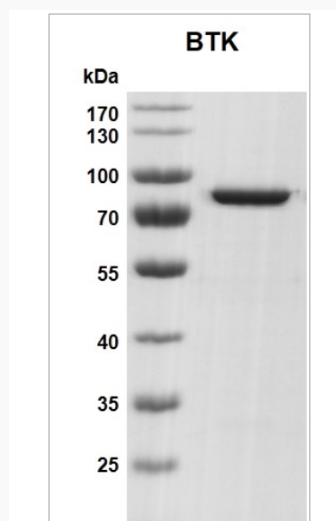
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Activity



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