

Specifications:

Gene:	hBTK
Accession:	NP_000052
Insert size:	1992bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hBTK cDNA Plasmid

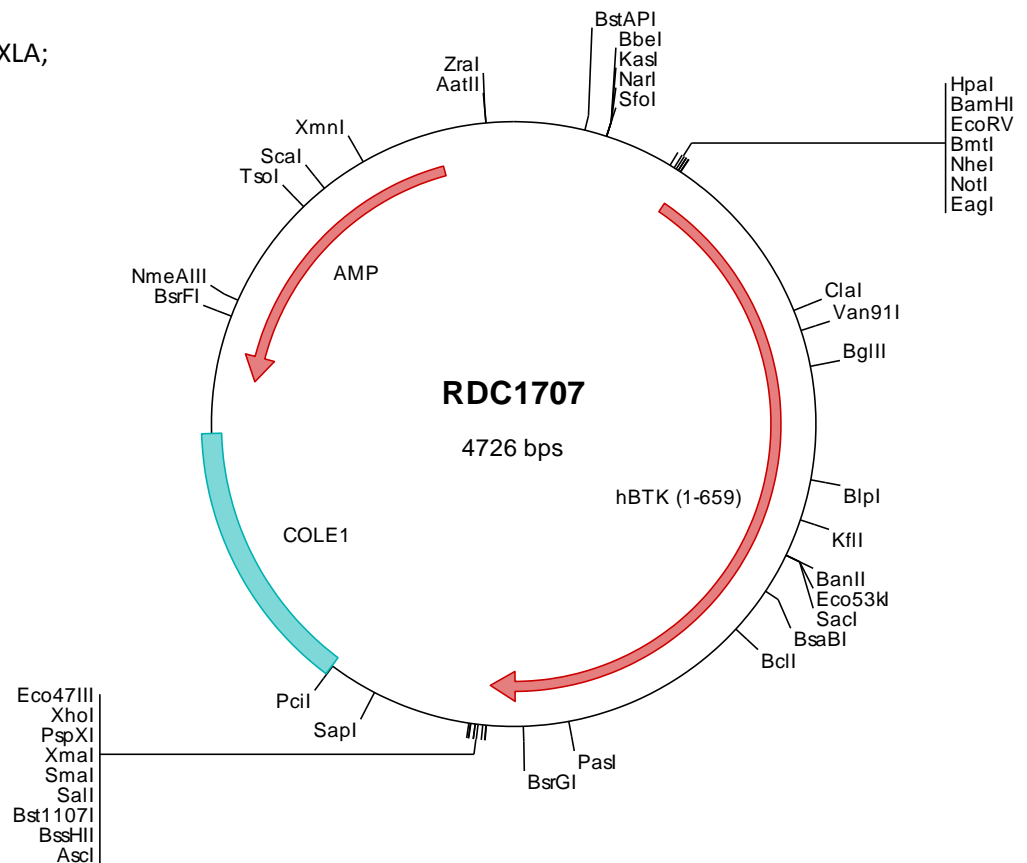
BTK Bruton tyrosine kinase

[*Homo sapiens* (human)]

Also known as: AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK1

Summary:

BTK is a cytoplasmic protein tyrosine kinase that is widely expressed in hematopoietic cells. BTK is required for B cell receptor signaling and B cell development. Defects in BTK result in X-linked agammaglobulinemia which is characterized by a severely decreased level of circulating antibodies. Like other Tec family kinases, BTK contains a Pleckstrin homology domain, a Tec homology domain, an SH3 domain, an SH2 domain, and a protein kinase domain. Association of the BTK SH2 domain with the B cell linker protein (BLNK) is required for the activation of PLC gamma by BTK. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1707 Plasmid DNA Sequence

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> RDC1707 Translated Insert Sequence

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