

## Product datasheet for **RR202955**

### **Btk (NM\_001007798) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Btk (NM_001007798) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RR202955 representing NM\_001007798  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCTGCTGTGATACTGGAGAGCATCTTTCTGAAGCGCTCCAGCAGAAAAAGAAAACATCACCTTTAA  
ATTTTAAGAAGCGCCTATTTCTCCTGACTGTGCACAACTTTCATACTATGAATATGACTTTGAAGTGG  
GAGAAGAGGCAGTAAGAAAGTTCAATAGATGTCGAGAAGATCACCTGTGTTGAAACAGTAGTTCCTGAA  
AAAAATCCCCACCAGAAAGACAGATTCAGTTCGAGGGGTGAGGAGTCCAGTGAATGGAACAGATTT  
CAATCATTGAAAGTTCCCGTACCCATTTAGGTCGTATATGATGAAGGACCTCTCTATGTTTTCTCCCC  
AACCGAAGAGCTGAGAAAACGCTGGATTACCAGCTCAAAAATGTAATCCGGTACAATAGTGACCTGGT  
CAGAAATATCATCCTTGCTTCTGGATTGATGGACAGTATCTCTGCTGCTCTCAGACAGCCAAGAATGCTA  
TGGGCTGCCAAATTTTGGAGAACAGGAATGGAAGCTTAAACCTGGAAGTTCATCGAAAAACAAAAA  
GCCTCTTCCCCCTACCCAGAGGAAGATCAGATCTTAAAAAGCCACTCCCCCTGAGCCAACAGCAGCA  
CCAATCTCCACAAGTGAGCTGAAAAAGGTCGTGGCCCTTTATGATTATATGCCAATGAATGCAAATGACT  
TACAATTGCGAAAAGGGCGAGGAGTATTTATCCTGGAGGAGAGCAACCTACCATGGTGGCGAGCAGCAGGA  
TAAAAATGGGCAGGAAGGCTATATCCCCAGTAACATGTACCCGAAGCAGAGGACTCCATAGAGATGTAT  
GAGTGGTATTCCAAGCACATGACTCGAAGTCAAGCTGAGCAACTTCTAAAGCAAGAGGGGAAAGAAGGAG  
GTTTCATTGTGACAGACTCCAGCAAAGCTGAAAAATACACTGTGTCTGTGTTTGTAAATCTACAGGGGA  
GCCTCAAGGGGTGATACGCCATTATGTTGTGTGCTCCACACCTCAGAGCCAGTATTACCTGGCTGAGAAG  
CACCTTTTCAGCACCATTCTGAGCTCATCAACTACCATCAACATAACTCTGCAGGCCTCATATCCAGGC  
TGAAATATCCTGTATCGAAACAAAAACAAAAACGCGCTTCTACGGCAGGCCTGGGCTATGGATCATGGGA  
AATTGATCCAAAGGACTTGACCTTCTTGAAGGAGCTTGGGACTGGACAATTTGGTGTGTCGTAATATGGG  
AAGTGGAGGGCCAATATGATGTGGCCATCAAGATGATCAGAGAAGGTTCCATGTCTGAGGATGAATTCA  
TTGAAGAAGCCAAAGTCATGATGAATCTTTCCCATGAGAAGCTAGTGCAGTTGTATGGAGCTGCACCAA  
ACAGCGCCCCATCTTCATCATCACTGAATACATGGCTAATGGCTGCCTCTTGAACACTGAGGGAGATG  
CGGCACCGCTTCCAGACACAGCAGCTGCTTGAAGTGTGCAAGATGTCTGTGAAGCAATGGAATACTTGG  
AGTCAAAGCAGTTCCTTCATAGAGACCTGGCAGCTCGAAACTGTCTGGTAAATGATCAAGGAGTTGTGAA  
AGTATCTGACTTTGGCCTGTCTAGGTATGTTCTTGTATGATGAATACACCAGCTCGGTAGGCTCCAAATTT  
CCAGTCCGGTGGTCTCCACCAGAAGTGCTCATGTATAGCAAATTCAGCAGCAAATCTGACATCTGGGCTT  
TTGGGGTTCTAATGTGGGAAATTTACTCCTGGGGAAAAATACCATATGAGAGATTTACTAACAGTGAGAC  
AGCAGAACACATTGCTCAAGGCTTACGTCTCTACAGGCCTCATTTGGCATCAGACAGGGTATATACCATC  
ATGTACAGCTGCTGGCATGAGAAAGCAGATGAACGTCCTAGTTTCAAATTTCTCTTGAGTAACTTCTAG  
ATGTCATGGATGAAGAATCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202955 representing NM\_001007798  
Red=Cloning site Green=Tags(s)

MAAVILESIFLKRSQKKKTSPLNFKKRLFLLTVHKLSYYEYDFERGRGSKKGSIDVEKITCVETVVPVE  
 KNPPPERQIPVPRGEESSEMEQISIIERFPYPFQVYDEGLYVFSPTTEELRKRWIHQLKNVIRYNSDLV  
 QKYHPCFWIDGQYLCCSQTAKNAMGCQILENRNGSLKPGSSHRKTKKPLPPTPEEDQILKKPLPPEPTAA  
 PISTSELKKVVALYDYMPMNANDLQLRKGEYF ILEESNLPWWRARDKNGQEGYIPSNYVTEAEDSIEMY  
 EWYSKHMTRSQAELLLKQEGKEGGFIVRDSKAGKYTVSVFAKSTGEPQGVIRHYVVCSTPQSYYLAEK  
 HLFSTIPELINYHQHNSAGLISRLKYPVSKQKNAPSTAGLGYGSWEIDPKDLTFLKELGTGQFGVVKYG  
 KWRGQYDVAIKMIREGSMSEDEFIEEAKVMNLSHEKLVQLYGVCTKQRPIFIITEYMANGCLLNLYLREM  
 RHRFQTQQLLEMCKDVCEAMEYLESKQFLHRDLAARNCLVNDQGVVKSDFGLSRYVLDDEYTSVSGSKF  
 PVRWSPPEVLMYSKFSKSDIWAFAVLMWEIYSLGKIPYERFTNSETAEHIAQGLRLYRPHLASDRVYTI  
 MYSCWHEKADERPSFKILLSNILDVMDEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001007798

**ORF Size:** 1980 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001007798.1](#), [NP\\_001007799.1](#)

**RefSeq Size:** 1983 bp

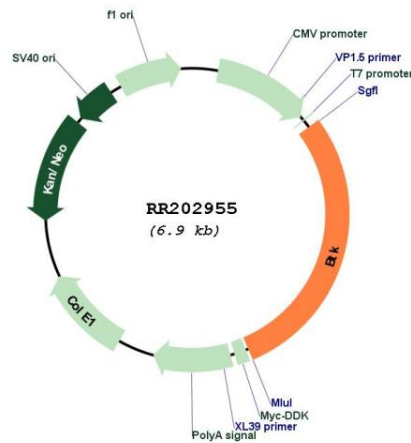
**RefSeq ORF:** 1983 bp

**Locus ID:** 367901

**Cytogenetics:** Xq32

**MW:** 76.4 kDa

**Product images:**



Circular map for RR202955