

Product datasheet for **RR216821**

Btnl2 (NM_053815) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btnl2 (NM_053815) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btnl2
Synonyms:	BTL-II; Ng9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR216821 representing NM_053815
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGATTCCAGGCTACAGTCTATCTGGCGTAGCTGCCTCCTTCTTCTGTTCTGCTGACTATGA
 AGCACCCAGATGACTTCAGAGTGGTCGGTCTGCCTCCCTATCCTGGCCAATGTTGGAGAAGACGCACT
 GCTAACGTGTCGGCTTCTCCCAAGAGGACAACAGCACGCATGGAGGTGAGGTGGTACCGCTCCGACCCCT
 GACACGCCTGTGATGCTGTACCGGGATGGAGCTGAGGTGCCTGGGCTAGCGATGGAGGGCTACAGAGGCC
 GGGTAGAGTGGATGGAGGACAGCACTGAAGAGGGGAGTGTGGCTCTGAAGATTCGACAGGTGCAGCCAGG
 TGACGATGGCCAGTACTGGTCCGCATCCAGGAGGGAGACTACTGGAGAGAGGCAAGTGTGCTACTCCA
 GTGGCAGCTCTAGGATCCTCCCAAAACATCCATGTGGAGGGGCCGAGAAGAAGGGGTCCAGCTCGTGT
 GCACGTCCCGAGGCTGGTCCCTGAGCCGGAGGTCTATTGGGAGGGCATCAGGGGAGAGAAGTTGATGAG
 TCTCTCTGAGAACCATGTGTACGGTGAAGATGGGCTGTTCTCTGTGAAGACACACTGGTGGTCAGGAAC
 GACAGTGTAGAGACGATTCCTGCTTCACTACAATCGTGGCCTCAGAGAGCCCCAAGAGGCCACCATTTG
 CCCTTCCAGAGAACTCCAGACAGAACTGGCTTCTCGAGGGTAATCGGACCTTCCCAAGCCATCCCTGT
 CCGAGTCGGAGAGACCATAGAATTAACCTTGTACGCTCTCACCTCAAACGGACGCTCAGAGCTTGGAGGTG
 AGGTGGTCCGAGCCCGCTATTACCCTGTAGTCCACGTGTATACAAATGGGGCCCATGAGGCCGGAGAGC
 AGATGGCAGAATACAGAGGGAGGACTTCACTGGTACTGACGCCATCCACGAAGGAAAACGACCCTGCA
 GATCCACAACGCCAGAACTTCGGATGAGGGCAGTACCGGTGCCTTTTGGAAAAGATGGTGTCTACCAG
 GAGGCCCGTGTAGATGTGCAGGTGATGGCGTGGGTTCCACCCACAGATCACCAGGGAGGTCTTGAAG
 ATGGAGGAACACAGCTGAGGTGTACGTCGGTGGTGGTTCACCCACAGATCACCAGGGAGGTCTTGAAG
 AGACGGAAGGACCCTGCCATCGTTTTCTGAGGCCCTTTCGGCAAGGAAGCCAGGAGCTGTTCCAGGTGGAG
 ACTCTCTGCTGGTCACAAATGGCTCCATGGTGAATGTGACCTGCTCCATCAGCCTCCCTCTGGCGAGG
 AGAAAACGACGTTTTCTCTCTCAGACTCCAGGATAGCTTTGTTATGGATGACCCTGCCTGCTCTGGT
 GCTGCCTCTCGCCATGGCTGTGACCTGATCAAGGTGAAACGGCGGACGAAAGACCAAAAACACAACGGC
 AATCGGAAAAATGACAGGAATGGTGAAGCCAAAGGCGAAGGCTTTCCTCTGATGATGAGAGGCTCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216821 representing NM_053815
 Red=Cloning site Green=Tags(s)

MVDFPGYSLSGVAASFLFVLLTMKHPDDFRVVGPAIPILANVGEDALLTCRLLPKRRTARMEVRWYRSDP
 DTPVMLYRDGAEPGLAMEGYRGRVEMEDSTEEGVALKIRVQVPGDDGQYWCRIQEGDYWREASVLLQ
 VAALGSSPNIHVEGPGEVQLVCTSRGWFPEPEVYWEGIRGEKLSLSENHVYGEDGLFVSDTLVVRN
 DSVETISCFIYNRGLREPQETIALPEKLQTELAASSRVIGPSQAIIPVRVGETIELTCQLSPQTDASLEV
 RWLRARYYPVVHYTNGAHEAGEQMAEYRGRSLVTDIHEGKLTQIHNARTSDEGQYRCLFGKDGVYQ
 EARVDVQVMAVGSTPQITREVLKDDGTQLRCTSDGWFPRPHVQWRDRDRGLPSFSEAFRQGSQELFQVE
 TLLLVTNGSMVNVTCISLPLGEEKTARFPLSDSRIALLWMTLPVLVPLAMAVDLIKVKRRTKDQKHNG
 NRENRNGESQRRRLSSDDERLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_053815

ORF Size: 1539 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_053815.1](#), [NP_446267.1](#)

RefSeq Size: 1542 bp

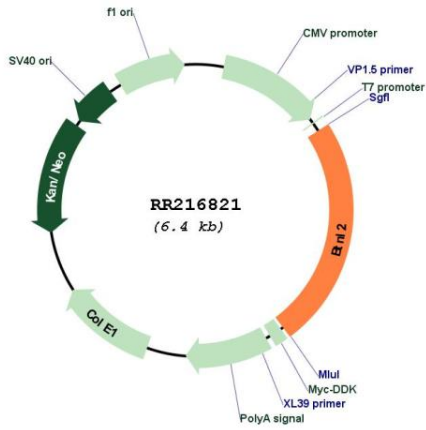
RefSeq ORF: 1542 bp

Locus ID: 309620

Cytogenetics: 20p12

MW: 57.7 kDa

Product images:



Circular map for RR216821