

Product datasheet for **MG220514**

Btnl2 (NM_079835) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btnl2 (NM_079835) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Btnl2
Synonyms:	BTL-II; Btl2; BTLN2; Gm315; NG9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220514 representing NM_079835
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGATTGCCACGGTATAGTCTATCTGGCGTGGCTGCCTCCTTCTTTCGTCCTGCTGACTATAA
 AGCACCCAGATGACTTCAGAGTGGTCGGTCTAACCTCCCAATCCTGGCTAAAGTCGGGGAAGATGCCCT
 GCTAACGTGTGAGCTCCTCCCAAGAGGACCACGGCACACATGGAGGTGAGGTGGTACCGCTCCGACCCCT
 GCCATGCCAGTGATTATGTACCGGGATGGAGCTGTGGTACTGGGCTACCGATGGAGGGGTACGGAGGCC
 GGGCAGAGTGGATGGAGGACAGCACTGAAGAGGGCAGTGTGGCTCTGAAGATTCGCCAGGTCCAGCCAAG
 TGACGATGGCCAGTACTGGTCCGCTTCCAGGAGGGGACTACTGGAGAGAGACAAGCGTCTACTCCAA
 GTGGCTGCTCTAGGATCTCCCAAAATATCCATGTGGAGGGACTTGGAGAAGGAGAGGTCCAACCTGTAT
 GCACGTCCCGAGGCTGGTCCCTGAGCCTGAGGTGCACCTGGGAAGGCATCTGGGGAGAAAAGTTGATGAG
 TTTCTCTGAGAATCATGTGCCAGGTGAAGATGGGCTATTCTATGTGGAAGACACACTGATGGTCAGGAAT
 GACAGTGTAGAGACCATTTCCTGCTTACATACAGCCATGGCCTCAGAGAGACCCAGGAGGCCACCATCG
 CTCTGTACAGAGAGCTCCAGACCGAACTGGTTCCGTTAGCGTAATCGGACATCCAGCCAGCCCTGT
 TCAAGTCGGAGAGAACATAGAATTAACCTTGTACCTCTCACCTCAAACGGATGCTCAGAACTTAGAGGTG
 AGGTGGCTCCGATCCCGCTATTACCCTGCAGTCCACGTGTATGCAAAATGGCACCCACGTGGCTGGAGAGC
 AGATGGTAGAATACAAAGGGAGGACTTCATTGGTACTGATGCCATCCACGAGGGAAAACGACCCTGCA
 GATTCACAATGCCAGAATTCGGATGAAGGGCAGTACCGGTGCCTTTTGGAAAAGATGGTGTCTACCAG
 GAGGCCCGTGTGGATGTGCAGGTGACGGCGTGGTCCACCCACGGATCACAGGGAGGTCTTGAAG
 ATGGAGCATGCAGTGAAGTGTACGTCTGATGGGTGGTCCCACGGCCCATGTGCAGTGGAGGGACAG
 AGATGGAAAGACAATGCCATCGTTTTCCGAGGCCCTTCAGCAAGGGAGCCAGGAGCTGTCCAGGTGGAG
 ACACTTCTGCTGGTCACAAACGGCTCCATGGTGAATGTGACCTGCTCCATCAGCCTCCCTCTGGGCCAGG
 AGAAAACAGCCGTTTCCCTCTCTCAGACTCCAAGATAGCTTTGTTATGGATGACCCTGCCTGTTGTGGT
 GCTGCCTCTCGCCATGGCTATGGACCTGATCAAGGTGAAACGGCGGCGACGGACCAATGAACAAACACAC
 AGCAGCAATCAGGAAAATAACAAGAAATGACGAAAACCACAGGCGGCGACTTCTTCTGACGAGAGGCTCA
 GA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220514 representing NM_079835
 Red=Cloning site Green=Tags(s)

MVDCPRYSLSGVAASFLFVLLTIKHPDDFRVVGPNLPILAKVGEDALLTCQLLPKRRTAHMEVRWYRSDP
 AMPVIMYRDGAVVTGLPMEGYGGRAEWMEDSTEEGSVALKIRQVQPSDDGQYWCRFQEGDYWRETSVLLQ
 VAALGSSPNIHVEGLGEGEVQLVCTSRGWFPEPEVHWEGIWGEKLSFSENHVPGEDGLFYVEDTLMVRN
 DSVETISCFIYSHGLRETQEATIALSERLQTELVSYSVIGHSQSPVQVGENIELTCHLSPQTDQNLEV
 RWLRSRYYPVAVHYANGTHVAGEQMVEYKGRSLVTDIHEGKLTQIHNARTSDEGQYRCLFGKDGVIYQ
 EARVDVQVAVGSTPRITREVLKDGGMQLRCTSDGWFPRPHVQWRDRDGKTMPSFSEAFQGSQELFQVE
 TLLLVTNGSMVNVTCISISLPLGQEKARFPLSDSKIALWMTLPVVVLPAMAMDLIKVKRRRRRTNEQTH
 SSNQENNKNDENHRRRLPSDERLR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_079835

ORF Size: 1542 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

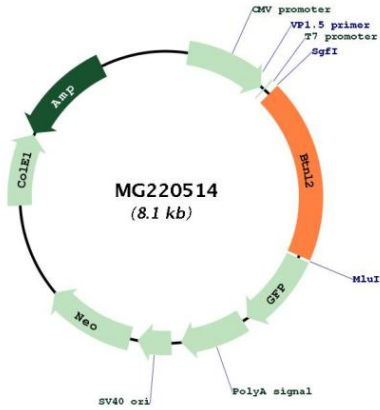
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_079835.2](#), [NP_524574.1](#)

RefSeq Size: 2563 bp
 RefSeq ORF: 1545 bp
 Locus ID: 547431
 UniProt ID: [O70355](#)
 Cytogenetics: 17 17.98 cM
 Gene Summary: Negative regulator of T-cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220514