

## Product datasheet for MC222985

### Bnc1 (NM\_007562) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bnc1 (NM_007562) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bnc1
Synonyms:	AI047752; AW546376; Bnc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222985 representing NM_007562 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCGCGGTCGCCGAGCCGGGGCGGACGCGGAGCGGCCCGGGCAGGGGACGCGCGCCGGGAAGGCCGGC  
TCCGCAGCGGCTGCAGGATGGCTGAGGCTATCGGCTGTACTCTGAACTGCAGTTGCCAATGTTTCAAACC  
TGGGAAGATAAACCACCGTCAGTGTGAACAGTGCAGGCACGGATGGGTGGCTCATGCTCTGAGTAAGCTG  
AGGATCCCCCTGTGTATCCAACAAGCCAAGTGGAAATGTCCAGTCCAATGTGGTGTTCGATATTAGCA  
GCCTCATGCTCTATGGAACCCAGGCTATCCCTGTTCGCCTGAAAATCCTATTGGACCGGCTCTTCAGTGT  
GCTGAAGCAAGATGAGGTTCTACAGATCCTCCATGCCCTGGACTGGACGTTCCAGGATTACATCCGTGGA  
TATGTGTTACAGGATGCCTCTGGGAAGGTGCTGGATCACTGGAGCATCATGACCAGTGAGGAGGAAGTGG  
CTACCTTGACAGGATTCCTTCGCTTTGGAGAGACCAAGTCCATAGTTGAACTCATGGCAATCCAAGAGAA  
AGAAGAGCAGTCTGTCACTCGTACCGCCACCACGGCCAATGTAGACATCAGGGCTTTCATCGAGAGCTGC  
GGCCACAGGAGTGCCAGCCTCCCTACTCCTGTGGACAAAGGAAGCCCTGGCGGCATGCACCCCTTGGAGA  
ACCTTATAAGCAACATGACGTTTCATGTTGCCTTCCAGTTCCTCAACCCTCTGCCTCCTGCTCTGATAGG  
GTCGCTGCCTGAACAGTACATGCTGGAGCAGGGCAGGACCAAGCCAGGAACCCAAACAGGAGCTCCAT  
GGGCCCTTCTCGGACAGCAGCTTCTTAACTTCCACCCATTTCCAGTTGAAAAAGAACAGTGCCTCACT  
GTCCAGAAACTGTCCCCAAAAGGAAGACAGTGTCACTTAAGCGACTCCAGCTCATATAGCATTGCCAG  
TAAGCTTGAAAGGACACAGCTGTCCCCTGAGGCCAAGGTGAAGCCTGAGAGGAACAGCCTCAGTGCTAAG  
AAGGGCCGGTGTCTGCACGGCGTGCAGAGAAGACATTCTATGACAAAGGCACTCTGAAGATCCACTACA  
ACGCCGTCCACCTAAAGATCAAGCACAAGTGCACGATCGAAGGGTGAACATGGTGTTCAGCTCCCTGAG  
GAGCCGGAACCGACACAGCGCCAACCCCAACCTCGCCTGCACATGCCAATGAACAGAAACAACAGGGAC  
AAAGATCTCAGGAATAGCCTGAACCTGGCAAGCTCTGAGACCTACAAGCGCCAGGTTTCACAGTGGTGT  
CTCCAGACTGTGGCCCTCCCTGGCTACACTGGTTCGTTGGAGGACTCAAAGGCCAACCTGCTTCTC  
AAGATTGGGCAAAATGGTGTGCTTTCCCTAATCTAAAGACTGTCCAGCCAGTCTTCTTCTACCGC



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AGTCCAGCCACTCCC GCGGAGCTGGCCAACACACCCGGCATGCTGCCTTCCCTCCCTCTGTTGTCCTCTT
CGATCCCAAGAACAGCTGGTTTCCACAGACATGCCATTCGATGCTTCCCAAGAAGAAATCCC GCAAGTC
CAGTATGCCTATCAAAATAGAGAAAGAAAGCTGTGGAATAGCTGAGGAGAAGAGACACAGTCTCAGCTCA
GACGATGAGGTGCCTCTGCAGGTAGTCAGTGAAGACGAGCCAGAGGACAGCAGTCTAGGTGACAGAGAG
TACCTGAGGAGCAGCATACACAGCTAAGCTTAGAGGAGCCTCTCCACAAGGAGAAGAGCCTGCCATCT
TGAATCTGTGATTGAGTCACATGGAGCTCTCAGCAGAACCCTTGAGCAGACCAGCTCACTGAGAGGGAG
GCTGAACAGAAGGTAGCACTGAGTTTCAGTGATGCCAAGAGAGGTGGAGGATGGTGGCCACGAGCGCCATT
TCACAGCTGGCCTGGTACCCCAAATCCCTTTTCTGACTACATGGAGTTGCAGCAGCGCCTGCTTGCTGG
GGGACTCTTCGGTGCTTTGTCCAACAGGGGGATGGCTTTTCTTTTCTGGAAGAGTCTAAAGAGCTGGAG
CACCTGGGTGAGCATGCACTAGTGAGGCAGAAGGAAGAAGCTTGCCTCCAGTGTGACATCTGCAAGAAGA
CCTTTAAAAACGCTTGCAGCATGAAGACGCATGAGAAGAACACACACGCCCGAGAGACACACGCGTGCAC
AGTGGAGGGCTGCGGGGCTGCTTTCCCTTCCCGTAGGAGCAGAGACAGACACAGCTCGAACCTAAGCCTC
CACCAGAAAGTACTGAATGAAGAAGCATTGGAGACTAGTGAGGACCATTTTCGTGCAGCTTACCTTCTGC
AAGATGTGGCCAAGGAGGCTATCAGGATGTGGCTTTCAGCCACAAGCATCACAGACATCTGTCATCTT
CAAGGGAACAAGTGGCATGGGCAGTCTGGTTTACCCAATATCTCAAGTTCACAGTGCCAGCCTGGAGAGC
TACAACTCTGGCCCCCTAGCGAGGGCACCATCCTGGATTTGAGCACTACCTCAAGTATGAAGTCAGAGA
GCAGCAGTCATTCTCCTGGACTCTGATGGCCTGAGTGAGGAAGGCACTGCCCTTATGGAGGACAGTGA
TGGCAACTGTGAAGGACAGAGCCTTGTCTCTGGGGAAGATGAATACCCTCTGTGTCCTAATGGAGAAG
GCAGACCAGAGCCTTGTAGCCTGCCCTCTGGTTTGCCAATAACCTGTATCTCTGCCAAAAGATATACA
GTAACAAAGGGACCTTTAGAGCCATTACAAAACCGTGCCACCTCCGCCAGCTCCACAAGTGCAAAGTGCC
AGGCTGCAACACGATGTTCTCATCTGTTTCGAGTAGAAAACAGACACAGTCAGAATCCCAACCTGCACAAG
AGCCTGGCTTCATCTCCAAGCCACCTCCAGTAA
    
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AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_007562

**Insert Size:**

2973 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](mailto: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](#)

**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\\_007562.2](#), [NP\\_031588.2](#)

**RefSeq Size:** 4663 bp

**RefSeq ORF:** 2973 bp

**Locus ID:** 12173

**Cytogenetics:** 7 D3