

## Product datasheet for RC239856

### BNC1 (NM\_001301206) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BNC1 (NM\_001301206) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** BNC1  
**Synonyms:** BNC; BSN1; HsT19447; POF16  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC239856 representing NM\_001301206  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGGTGTAGAAACATGTTCTTCTCATTTAAGGCATCTCTTTGTGGCTGCGGGGCTGCCACCGCTCCGA  
 GTCTGACAGCTATCAGCTGTACTCTGAAGTGTAGTTGCCAAAGTTTCAAACCCGGGAAAAATAACCACCG  
 TCAGTGTGACCAATGCAAGCATGGATGGGTGGCCACGCTCTAAGTAAGTAAGGATCCCCCATGTAT  
 CCAACAAGCCAGGTGGAGATTGCCAGTCCAATGTAGTGTGGATATTAGCAGCCTCATGCTCTATGGGA  
 CCCAGGCCATCCCCGTTGCTAAAAATCTACTGGACCGGCTCTTCAGTGTGTTGAAGCAAGATGAGGT  
 TCTCCAGATCCTCCATGCCTGGACTGGACACTTCAGGATTATATCCGTGGATACGTAAGCAGGATGCA  
 TCAGGAAAGGTGTTGGATCACTGGAGCATCATGACCAGTGAAGAAAGTGGCCACCTTGCAGCAGTTC  
 TTCGTTTTGGAGAGACCAATCTATAGTTGAAGTCAAGCAATCAAGAGAAAGAAGAGCAATCCATCAT  
 CATACCACCTTCCACAGCAATGTAGATATCAGGGCTTTCATCGAGAGCTGCAGTACAGGAGTTTAGC  
 CTCCCCACTCCTGTGGACAAAGGAAACCCAGCAGTATACACCCCTTTGAGAACCTATAAGCAACATGA  
 CTTTCATGCTGCCTTCCAGTCTTCAACCCTCTGCCTCCTGCACTGATAGGGTCAATGCCCGAACATA  
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 GACACAGTTATCCCTGAGGCCAAAGTGAAGCCTGAGAGGAATAGCCTTGGTACAAGAAGGCGCGGTG  
 TTCTGCACTGCATGTGAGAAGACCTTCTATGACAAAGGCACCCTCAAATCCACTACAATGCCGTCCACT  
 TGAAGATCAAGCATAAGTGCACCATCGAAGGGTGAACATGGTGTTCAGTCCCTAAGGAGCCGGAATCG  
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 AACAGCCTGAACCTGGCCAGCTCTGAGAAGTCAAGTGCAGGTTTACAGTGCAGTCCCAGACTGTA  
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 AAATGGTGTGCTTTTTCCCAACCTAAAGACAGTCCAGCCAGTCTTCTTCTACCGCAGTCCAGCCAGC



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CCTGCCGAGGTAGCAAACACGCCTGGGATACTCCCTCCCTCCCCTGTTGTCCTTCAATCCCAGAAC  
 AGCTCATTTCAAACGAAATGCCATTTGATGCCCTTCCCAAGAAGAAATCCAGGAAGTCCAGTATGCCTAT  
 CAAAATAGAGAAAGAAGCTGTGGAAATAGCTAATGAGAAAAGACACAACCTCAGCTCAGATGAAGACATG  
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 CAGTGCTTTGTCCAACAGGGGAATGGCTTTTCTTGTCTTGAAGATTCTAAAGAAGTGGAGCACGTGGGT  
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 AGCCTTGTAGCTGCCTTCTGGGTTGCCATAACCTGTCTCTGCCAAAAGACATACAGTAACAAAAG  
 GGACCTTTAGGGCCACTACAAAAGTGTGCACCTCCGGCAGCTCCACAAATGCAAAGTACCAGGCTGCAA  
 ACCATGTTTTCTGCTGTTGCGAGTCGAAACAGACACAGCCAGAATCCCAACCTGCACAAAAGCCTGGCC  
 TCATCTCCAAGTACCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGTTTAA

**Protein Sequence:**

>RC239856 representing NM\_001301206  
 Red=Cloning site Green=Tags(s)

MRCRNMFFSFKASLCGCGAATAPSLTAISCTLNCSCQSFKPGKINHRQCDQCKHGWVAHALSKLRIPPMY  
 PTSQVEIVQSNVVDISSLMLYGTQAIPVRLKILLDRLFVSLKQDEVLQILHALDWTLDQYIRGYVLQDA  
 SGKVLDHWSIMTSEEEVATLQQFLRFGETKSIVELMAIQEKEEQSIIIPPSTANVDIRAFIESCSHRSS  
 LPTPVDKGNPSSIHPFENLISNMTFMLPFQFFNPLPPALIGSLPEQYMLEQGHQSDQDPKQEVHGPFPS  
 SFLTSSSTPFQVEKDQCLNCPDAITKKEDSTHLSOSSSYNIIVTKFERTQLSPEAKVKPERNSLGTKKGRV  
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 PAEVANTPGILPSLPLSSSIPEQLISNEMPFDALPKKSRKSSMPIKIEKEAVEIANEKRHNLSSDEDM  
 PLQVVEDEQEACSPQSHRVSEEQHVQSGGLGKPFPEGERPCHRESVIESSGAISQTPEQATHNSERETE  
 QTPALIMVPREVEDGGHEHYFTPGMEPVQPFSDYMEQLQQRLLAGGLFSALSNRGMAFPCLDSKELEHVG  
 QHALARQIEENRFQCDICKTKFNACSVKIHKNMHVKEMHTCTVEGCNATFPSRRSRDRHSSNLNLHQK  
 ALSQEALESSEDFRAAYLLKDVAKAYQDVAFTQQASQTSVIFKGTSRMGSLVYPITQVHSASLESYNS  
 GPLSEGTLIDLSTTSSMKSESSHSWSDGVSEEGTVLMEDSDGNCEGSSLVPGEDEYPICVLMEKADQ  
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 SSPSHLQ

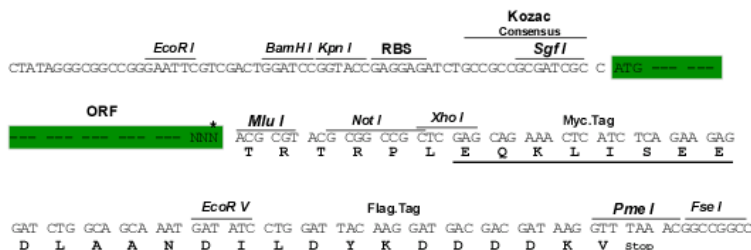
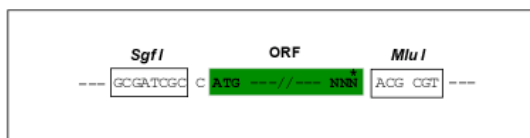
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_001301206

ORF Size: 2961 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](#)

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\\_001301206.2](#)

**RefSeq Size:** 4763 bp

**RefSeq ORF:** 2964 bp

**Locus ID:** 646

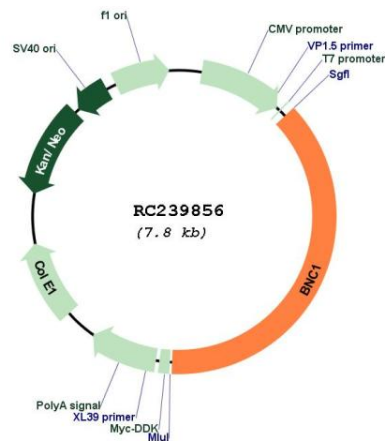
**UniProt ID:** [Q01954](#)

**Cytogenetics:** 15q25.2

**MW:** 110.3 kDa

**Gene Summary:** This gene encodes a zinc finger protein present in the basal cell layer of the epidermis and in hair follicles. It is also found in abundance in the germ cells of testis and ovary. This protein is thought to play a regulatory role in keratinocyte proliferation and it may also be a regulator for rRNA transcription. Disruption of this gene has been implicated in premature ovarian failure as well as testicular premature aging. [provided by RefSeq, Sep 2020]

### Product images:



Circular map for RC239856