

Product datasheet for **SC303057**

BNC1 (NM_001717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BNC1 (NM_001717) Human Untagged Clone
Tag:	Tag Free
Symbol:	BNC1
Synonyms:	BNC; BSN1; HsT19447; POF16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001717, the custom clone sequence may differ by one or more nucleotides

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ATGCGGGCGGCCCGCCGAGCCGGGGCGGACGCGGGCGGCCCGGGCCGGGAGACGCGCCGGCAGCCCC
GGCACCCGAGCGGTGCGCAGGATGGCCGAGGCTATCAGCTGTACTCTGAAGTGTAGTTGCCAAAGTTTCAA
ACCCGGGAAAATAAACCACCGTCAGTGTGACCAATGCAAGCATGGATGGGTGGCCACGCTCTAAGTAAG
CTAAGGATCCCCCATGTATCCAACAAGCCAGGTGGAGATTGCCAGTCCAATGTAGTGTGGATTA
GCAGCCTCATGCTCTATGGGACCCAGGCCATCCCCGTTTCGCTAAAAATCCTACTGGACCGCTCTTCAG
TGTGTTGAAGCAAGATGAGGTTCTCCAGATCCTCCATGCCTTGGACTGGACACTTCAGGATTATATCCGT
GGATACGTACTGCAGGATGCATCAGGAAAGGTGTTGGATCACTGGAGCATCATGACCAGTGGGAAGAAG
TGGCCACCTTGCAGCAGTTCCTTCGTTTTGGAGAGACCAATCTATAGTTGAAGTTCATGGCAATTCAAGA
GAAAGAAGAGCAATCCATCATCATAACCACCTCCACAGCAATGTAGATATCAGGGCTTTCATCGAGAGC
TGCAGTACAGGAGTTCAGCCTCCCCTCCTGTGGACAAAGGAAACCCAGCAGTATACACCCCTTTG
AGAACCTCATAAGCAACATGACTTTCATGCTGCCTTTCAGTTCTCAACCTCTGCCTCCTGCAGTGT
AGGGTCATTGCCGAACAATATATGTTGGAGCAGGGTCATGACCAAAGTCAGGACCCAAACAGGAAGTC
CATGGGCCCTTCCCTGACAGCAGCTTCTAACTTCCAGTTCACACACCATTTCCAGTTGAAAAAGATCAGT
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TCCACTACAATGCCGTCCACTTGAAGATCAAGCATAAGTGCACCATCGAAGGGTGAACATGGTGTTCAG
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AACCGGGACAAAGACCTCAGGAACAGCCTGAACCTGGCCAGCTCTGAGAACTACAAGTCCCAGGTTTCA
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CTCAGCTCAGATGAAGACATGCCCTACAGGTGGTCAGTGAAGATGAGCAGGAGGCTGCAGTCTCAGT
CACACAGAGTATCTGAGGAGCAGCATGTACAGTCAAGGAGCTTAGGGAAGCCTTCCCTGAAGGGGAGAG
GCCCTGCCATCGTGAATCAGTAATTGAGTCCAGTGGAGCCATCAGCCAAACCCCTGAGCAGGCCACACAC
AATTCAGAGAGGGAGACTGAGCAGACACCAGCATTGATCATGGTCCAAAGGGAGGTCGAGGATGGTGGCC
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CCTGCTGGCTGGGGGACTCTTTCAGTGTCTTGTCCAACAGGGGAATGGCTTTTCTTGTCTTGAAGATTCT
AAAGAAGTGGAGCACGTGGGTGAGCAGTGCATTAGCAAGGCAGATAGAAGAAAATCGCTTCCAGTGTGACA
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CTTACCTTCTGAAAGATGTGGCTAAGGAAGCCTATCAGGATGTGGCTTTTACACAGCAAGCCTCCAGAC
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TGAAGTCAGAGAGTAGCAGCCATTCTTCTGGGACTCTGACGGGGTGAAGTGAAGGAGGACTGTGCTTAT
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CTGATGGAGAAGGCTGACCAGAGCCTTGTAGCCTGCCTTCTGGGTTGCCATAACCTGTATCTGTGCC
AAAAGACATACAGTAACAAAGGGACCTTAGGGCCCACTACAAAAGTGTGCACCTCCGGCAGCTCCACAA
ATGCAAAGTACCAGGCTGCAACACCATGTTTTCGTCTGTTGCGAGTCGAAACAGACACAGCCAGAATCCC
AACCTGCACAAAAGCCTGGCCTCATCTCAAGTCACTCCAGTAA
    
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Restriction Sites: Please inquire

ACCN: NM_001717

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none"> 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_001717.2 , NP_001708.2
RefSeq Size:	4612 bp
RefSeq ORF:	2985 bp
Locus ID:	646
UniProt ID:	Q01954
Cytogenetics:	15q25.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>