

Product datasheet for **SC318497**

BNC2 (NM_017637) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	BNC2
Synonyms:	BSN2; LUTO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318497 representing NM_017637.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCACACCTTGGGCCACCCACCTCCACATAGCCTTAATTACAAATCAGAGGACAGGCTTAGTGAG
CAAGACTGGCCAGCATATTTCAAGTCCCATTGTGTGGGTTGATACATCTCAAATGAGTCAGAAGAG
GCAGAAGTGGATGTGAGAGAAAGAGAGACACAGAGAGACAGAGAGCCAAAGAGGGCAAGAGACTTGACT
TTAAGAGACTCCTGTACTGACAACCTCCATGCAGTTCGGAACCAAGACGACTACGGCTGAACCAAGGTTT
ATGGGGACATGGCAAAACGCTGATACTAACCTCTTATTCAGAATGTCCCAACAGGCCATCCGTTGCACA
CTGGTAACTGCACATGTGAATGTTTTAGCCAGGGAAGATTAACCTGAGGACTTGTGATCAGTGTAAA
CATGGCTGGGTGGCACATGCCTTGGATAAGCTCAGCAGCAGCACTGTACCACCCCAACCAAGTGGAG
ATTGTGCAGTCCAACGTCGTGTTGACATCAGCAGCCTGATGCTCTATGGGACACAAGCAGTGCCTGTG
CGGCTAAAGATCCTGCTGGACCGTCTCTTCAGCGTCTGAAGCAAGAGGAGTACTGCACATACTGCAC
GGCCTTGGCTGGACTCTCGGGACTATGTCCGAGGATACATCCTTCAGGATGCTGCTGGCAAGGTGCTG
GACCGCTGGCCATCATGTCTCGAGAAGAGGAAATCATCACCTTCAGCAGTTTCTGCGGTTTGGAGAA
ACCAATCCATTGTGGAGCTGATGGCAATTCAGGAGAAAGAAGGGCAGGCCGTGGCTGTACCATCTTCA
AAGACAGACTCAGATATAAGGACTTTCATTGAGAGCAATAATCGCACAGGAGTCCCAGCCTCCTTGCT
CACTTAGAGAACAGCAATCCTTCAGCATTTCATCACTTCGAAAACATCCCAACAGCCTTGCAATTTCTG
CTTCCATTCCAGTACATAAACCTGTCTCAGCACCAGTGTAGGGTTGCCTCCAAATGGGCTACTGTTA
GAGCAACCAAGGTTGAGGCTGCGGGAACCCAGCCTTCAACTCAGAATGAATATAATGAGAGCAGCGAA
TCCGAAGTTTCTCCACACCTTATAAGAATGATCAAACACCAATAGAAATGCCCTGACCAGCATTACT
AATGTGGAGCCCAAAACCGAGCCAGCCTGTGTCTCTCCATTTCAGAATTCGCCCCAGTCAGTGATCTA
ACCAAACTGAACCCCAAAAGCTCATTCCGGATTTCATCGGATGAGAAGGATGGGGTCAGCCTCTAGG
AAAGGAAGAGTGTTCTGTAATGCATGTGGGAAGACATTCTATGACAAAGGTACTCTCAAAATTCATTAC
AATGCTGTTACCTGAAGATCAAACATCGATGCACATTGAAGGTTGAACATGGTCTTTAGCTCCCTC
CGAAGTCGTAATCGCCACAGTGCAACCCCAATCCTCGCCTTCACATGCCTATGCTAAGGAATAACCGA
GATAAAGATTAAATTCGGGCCACCTCAGGAGCTGCCACCCCTGTCTATAGCAAGTACAAAATCAAATCTG
GCACTCACAAGCCCTGGCCGACCCCAATGGGTTTTACCACTCCCCTCTAGACCTGTCTTCAAAAAT
CCTCTCCCTAGCCAGTAGTATTTCTGGGCTAAAGACTGTACAACCAAGTTCCTCCATTTTATAGAAGT
TTACTCACTCCAGGGGAAATGGTGAGTCTCCAACCTCCCTCCCAACAGTCCCATCATTCCAACCAAGT
GGTACCATAGAGCAGCACCCCGCCACCTCTGAGCCAGTAGTGCCAGCAGTGATGATGGCCACCCAT
GAGCCCACTGCTGACCTGGCACCCCAAGAAAAGCCAGGAAGTCAAGCATGCCTGTGAAGATTGAGAAG
GAAATTATTGATACCGCCGATGAGTTTGATGATGAAGATGATGACCCCAATGATGGTGGAGCTGTGGTC
AATGACATGAGCCATGACAATCATTGTCACTCCAAGAGGAGATGAGCCAGGCATGTCTGTGAAGGAC
TTTTCTAAGCATAACAGGACCCGCTGCAATTTCAAGGACTGAAATAAGGAGGGCCGACAGCATGACTTCT
GAAGACCAAGAACCTGAGCGGACTATGAGAACGAGTCTGAGTCTTCGGAGCCCAACTGGGCGAGGAA
TCCATGGAAGGGGATGAGCACATTCACAGCGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
GATGAGAACCACAGTGAAGCCTCTCACCAGGACGTCATCAAGGTGAAGGAAGATTTACAGACCCCACT
TACGACATGTTTTACATGAGCCAGTATGGACTGTACAATGGTGGGGGTGCCAGCATGGCCGCTTGAT
GAGAGCTTTACATCGTCTCTGAATTATGGCAGCCCTCAAAAGTTTCTCCCAAGAGGTGACCTATGTTCT
AGCCAGACCCCAAAATCTGTTATGTGTGCAAGAAGAGTTTCAAAAGCTCTACAGTGTGAACTTCAC
TACAGGAACGTTCACTTGAAAGAGATGCAGTCTGCACAGTGGCTGGTTGCAATGCTGCATTTCCCTCT
CGCCGAAGCCGAGACAGACACAGTGCCAACATAAACCTACATCGTAACTGTTGACCAAGAAGATCGAT
GACATGGGCTGGACTCGTCGAGCCCTCCCTTAGCAAGGACCTCCGCGATGAATTTTGGTGAAGATA
TATGGTGCCAGCACCCCATGGGGCTCGATGTCAGGGAAGACGCCTCTCTCCGCGAGGACTGAAGAC
TCCACCTGAACGGGTATGGGAGAGGCATGGCAGAGGACTACATGGTCTTGACTTGAGCACCACCTCC
AGCCTCCAGTCCAGCAGCAGTATCCATTCTCCAGAGAATCCGACGACAGGACGCGATGAGGGGATCTT
CTCGATGACATTGACGGGGCGAGTGACAGTGGGGAGTGGGCACACAAGGCCGAGGCCCTGCCCTCCCT
GGCAGCCTAGGGGCTGAAGTTTCAGGATCTCTTATGTTTCAGCAGCTTGTCTGGGAGCAATGGTGGGATC
ATGTGCAACATTTGCCACAAAATGTACAGCAACAAGGGGACCCTGAGAGTGCCTACAAAATGTGCAT
TTGAGAGAAATGCACAAGTGCAAAAGTCCAGGTTGCAATATGATGTTTTCTCTGTACGAAGCCGAAAT
CGGCACAGTCAGAACCCTAATCTCCACAAAACATTCCCTTCACTTCAGTAGATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017637
Insert Size:	3300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	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.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_017637.5</u>
RefSeq Size:	12926 bp
RefSeq ORF:	3300 bp
Locus ID:	54796
UniProt ID:	<u>Q6ZN30</u>
Cytogenetics:	9p22.3-p22.2
MW:	122.3 kDa

Gene Summary:

This gene encodes a conserved zinc finger protein. The encoded protein functions in skin color saturation. Mutations in this gene are associated with facial pigmented spots. This gene is also associated with susceptibility to adolescent idiopathic scoliosis. [provided by RefSeq, Jul 2016]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.