

Product datasheet for RC214349

BNC2 (NM_017637) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BNC2 (NM_017637) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BNC2
Synonyms:	BSN2; LUTO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214349 representing NM_017637 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACACCTTGGGCCACCCACCTCCACATAGCCTTAATTACAAATCAGAGGACAGGCTTAGTGAGC
AAGACTGGCCAGCATATTTCAAGGTCCCATGTTGTGGGTTGATACATCTCAAATTGAGTCAGAAGAGGC
AGAAGTGGATGTGAGAGAAAGAGAGACACAGAGAGACAGAGAGCCAAAGAGGGCAAGAGACTTGACTTTA
AGAGACTCCTGTACTGACAACTCCATGCAGTTCGGAACCAAGAGGACTACGGCTGAACAGGTTTCATGG
GGCATGGCAAAACGCTGATACTAACCTCTTATTCAGAATGTCCCAACAGGCCATCCGTTGCACACTGGT
AAACTGCACATGTGAATGTTTTAGCCAGGGAAGATTAACCTGAGGACTTGTGATCAGTGTAAACATGGC
TGGGTGGCACATGCCTTGATAAGCTCAGCACGCAGCACCTGTACCACCCACCCAAAGTGGAGATTGTGC
AGTCCAACGTCGTGTTTGACATCAGCAGCCTGATGCTCTATGGGACACAAGCAGTGCCTGTGCGGCTAAA
GATCCTGCTGGACCGTCTTTCAGCGTCTGAAGCAAGAGGAGGTACTGCACATACTGCACGGCCTTGGC
TGGACTCTGCGGGACTATGTCCGAGGATACATCCTTCAGGATGCTGCTGGCAAGGTGCTGGACCGCTGG
CCATCATGTCTCGAGAAGAGGAAATCATCACCTTCAGCAGTTCCTGCGGTTTGGAGAAACCAATCCAT
TGTGGAGCTGATGGCAATTCAGGAGAAAGAGGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
GATATAAGGACTTTCATTGAGAGCAATAATCGCACAGGAGTCCCAGCCTCCTTGCTCACTTAGAGAACA
GCAATCCTTCCAGCATTCACTTCGAAAACATCCCAACAGCCTTGCAATTTCTGCTTCCATTCCAGTA
CATAAACCTGTCTCAGCACCACTGCTAGGTTGCCTCCAAATGGGCTACTGTTAGAGCAACAGGGTTG
AGGCTGCGGGAACCCAGCCTTTCAACTCAGAATGAATATAATGAGAGCAGCGAATCCGAAGTTTCTCCCA
CACCTTATAAGAATGATCAAACACCCAATAGAAATGCCCTGACCAGCATTACTAATGTGGAGCCCAAAAC
CGAGCCAGCCTGTGTCTCTCCATTGAGAAATCTGCCAGTCAGTGATTAACCAAACTGAACACCCA
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CAAACATCGATGCACCATTGAAGTTGCAACATGGTCTTAGCTCCCTCCGAAGTCGTAATCGCCACAGT



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GCAAACCCAATCCTCGCCTTACATGCCTATGCTAAGGAATAACCGAGATAAAGATTTAATTCGGGCCA
 CCTCAGGAGCTGCCACCCTGTATAGCAAGTACAAAATCAAATCTGGCACTCACAAAGCCCTGGCCGACC
 CCCAATGGGTTTTACCACTCCCCCTCTAGACCCCTGTCTTGCAAAAATCCTCTCCCTAGCCAGCTAGTATTT
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 ATGATGAAGATGATGACCCAATGATGGTGGAGCTGTGGTCAATGACATGAGCCATGACAATCATTGTCA
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 ACGAGTCTGAGTCTCGGAGCCAAACTGGGCGAGGAATCCATGGAAGGGGATGAGCACATTCACAGCGA
 AGTGAGTAAAAAGTCTGATGAATAGTGAGAGCCTGATGAGAACCACAGTGAAGCCCTCACCAGGAC
 GTCATCAAGGTGAAGGAAGAATTTACAGACCCCACTTACGACATGTTTTACATGAGCCAGTATGGACTGT
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 GACGACGAGCAGTATGAGGGGATTTCTCGATGACATTGACGGGGGAGTGACAGTGGGGAGTCCGCAC
 ACAAGCCGAGGCCCTGCCCTCCCTGGCAGCCTAGGGGCTGAAGTTTCAGGATCTTTATGTTGAGCAG
 CTTGTCTGGGAGCAATGGTGGGATCATGTGCAACATTTGCCACAAAATGTACAGCAACAAGGGGACCCCTG
 AGAGTGCACATAAAAAGTGTGCATTTGAGAGAAATGCACAAGTGCAAAGTCCCAGTTGCAATATGATGT
 TTTCTCTGTACGAAGCCGAAATCGGCACAGTCAAGCCCTAATCTCCACAAAACATTCCCTTCACTTC
 AGTAGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214349 representing NM_017637
 Red=Cloning site Green=Tags(s)

MAHLGPTPPPHSLNYSKEDRLSEQDWPAYFKVPCCGVDTSQIESEEAQVDVRERETQRDREPKRARDLTL
 RDSCTDNSMQFGTRTTTAEFGMGTWQADTNLLFRMSQQAIRCTLVNCTCECFQPKINLRTCDQCKHG
 WVAHALDKLSTQHLHYPTQVEIVQSNVVDISSLMLYGTQAVPVRKILLDRFLSVLKQEEVLHILHGLG
 WTLRDYVRYIILQDAAGKVLDRWAIMSREEEIIITLQQFLRFGETKSIVELMAIQEKGQAVAVPSSKTDS
 DIRTFIESNNRTRSPSLLAHLENSNPSSIHFFENIPNSLAFLLPFQYINPVSAPLLGLPPNGLLLEQPGL
 RLREPSLSTQNEYNESSESEVSPPTYKNDQTPNRNALTSTINVEPKTEPACVSPIQNSAPVSDLTKTEHP
 KSSFRIHRMRMGASARKGRVFCNACGKTFYDKGTLKIHYNVHLKIKHRCTIEGCMVMVSSLRSRNRHS
 ANPNPRLHMPMLRNNRDKDLIRATSGAATPVIASSTKSNLALTSRGRPPMGFTTPPLDPVLQNLPLSQLVF
 SGLKTVQVPVPPFYRSLTPGEMVSPPTSLPTSPIIPTSGTIEQHPPPPSEPVVPAVMMATHEPSADLAPK
 KKPRKSSMPVKIEKEIIDTADEFDDEDDDPNDGGAVVNDMSHDNHCHSQEEMSPGMSVKDFSKHNRTRCI
 SRTEIRRADSMTSEDQEPERDYENESESEPKLGEESMEGDEHIHSEVSEKVLMSNERPDENHSEPSHQD
 VIKVKEEFTDPTYDMFYMSQYGLYNGGASMAALHESFTSSLNYGSPQKFSPEGDLCSSPDPKICVYCKK
 SFKSSYSVKLHYRNVHLKEMHVCTVAGCNAAFPSSRRSRDRHSANINLHRKLLTKELDDMGLDSSQPSLSK
 DLRDEFLVKIYGAQHPMGLDVREDASSPAGTEDSHLNGYGRGMAEDYMLDLSTTSSLQSSSSIHSSRES
 DAGSDEGILLDDIDGASDSGESAHKAEAPALPGSLGAEVSGSLMFSLSGNSGGIMCNICHKMYSNKGTL
 RVHYKTVHLREMHKCKVPGCNMMFSSVRSRNRHSQPNLHKNIPFTSVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8030_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017637

ORF Size: 3297 bp

OTI Disclaimer: 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_017637.6](#)

RefSeq Size: 12926 bp

RefSeq ORF: 3300 bp

Locus ID: 54796

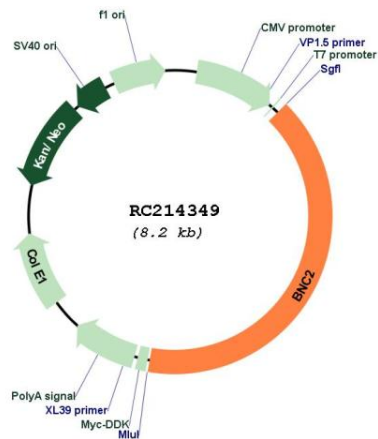
UniProt ID: [Q6ZN30](#)

Cytogenetics: 9p22.3-p22.2

MW: 122.1 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]

Product images:



Circular map for RC214349