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Product datasheet for RG209538

DBC1 (BRINP1) (NM_014618) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBC1 (BRINP1) (NM_014618) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DBC1
Synonyms:	DBC1; DBCCR1; FAM5A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG209538 representing NM_014618
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACTGGAGGTTTGTTGAGCTCCTCTACTTCCTGTTTATATGGGGCCGTATCTCAGTGCAGCCCTCCC
ACCAGGAACCAGCTGGGACAGACCAACATGTCTCCAAGGAATTTGATTGGCTCATTTCAGACAGGGGGCC
TTTCCACCACTCCAGGAGCTACCTATCCTTTGTGGAAAGACACCGTCAAGGATTTACAACCAGATATAAA
ATATACAGGGAGTTTGCCCGTTGGAAGGTGAGGAACACAGCCATCGAGAGGAGAGATCTGGTCCGCCATC
CAGTGCCCCTCATGCCGGAGTTTCAAAGGAGCATCCGCCTGCTTGGCAGGAGACCTACCACTCAGCAGTT
CATCGATACCATCATCAAAAAGTACGGCACCCACCTGCTCATCTCAGCCACATTGGGAGGGGAGGAGGCT
TTGACCATGTATATGGACAAAAGTCGCCTCGACAGGAAGTCAGGGAATGCCACTCAAAGTGTTGAAGCTC
TGCACCAGCTCGCATCATCCTACTTTGTTGACCGTGATGGTACCATGAGGAGGCTTCATGAGATCCAGAT
ATCAACTGGAGCAATCAAGGTCACAGAGACACGCACTGGGCCTCTGGGCTGTAACAGTTATGACAATCTG
GACTCTGTGAGTTCCGTCCTTCTGCAAAGCACGGAGAGCAAACTGCACCTTCAAGGTCTTCAGATAATCT
TTCCTCAGTATCTGCAAGAGAAGTTTGTCCAGTCGGCCTTGAGCTATATCATGTGCAATGGGGAGGGGGA
GTACCTGTGCCAGAACAGCCAGTGTCGCTGCCAATGTGCCGAGGAGTTTCCGCAGTGCAACTGCCCCATC
ACGGACATCCAGATCATGGAGTACACGCTGGCCAACATGGCCAAGTCTTGGGCCGAAGCTTATAAGGACC
TGGAGAATTCAGATGAGTTTAAATCATTTATGAAGCGCCTCCCCAGCAACCACTTCCTGACCATCGGAAG
CATCCATCAGCACTGGGGCAATGACTGGGACCTGCAGAACCGCTACAAGCTCCTGCAGAGTGCCACGGAG
GCACAGAGACAAAAGATCCAACGCACTGCCCGCAAGCTTTTCGGCCTCAGTGTACGCTGTCGCCACAATC
CCAACCACCAGCTGCCTAGAGAGAGGACAATTCAGCAGTGGCTTGCAAGGGTCCAGTCACTCCTCTACTG
TAATGAGAATGGGTTTTGGGGAACCTTCCTGGAGAGCCAGCGGAGCTGCGTGTGCCACGGCAGCACCACG
CTGTGCCAGCGCCCCATCCCCTGCGTGATAGGCGGGAACAACAGCTGCGCCATGTGCAGCCTGGCCAACA
TCTCCCTCTGCGGCTCCTGCAACAAGGGCTACAAGCTGTATCGAGGCCGCTGTGAACCACAGAACGTGGA
CTCGGAGCGGAGCGAGCAGTTCATCAGCTTTGAGACTGACCTGGACTTCCAGGACCTGGAGCTGAAGTAC
CTGCTGCAGAAGATGGACTCACGCCTCTACGTCCACACCACCTTCATCAGCAACGAGATCCGCCTCGACA
CCTTCTTTGACCCTCGGTGGCGCAAGCGCATGTCCCTCACTCTCAAGAGCAACAAGAACCGCATGGACTT
CATCCACATGGTGATCGGCATGTCCATGCGCATCTGCCAGATGCGCAACAGCAGCCTGGACCCCATGTTC
TTTGTCTATGTCAACCCCTTTAGCGGGAGCCATTCGGAGGGCTGGAACATGCCCTTCGGGGAATTTGGCT
ACCCACGCTGGGAGAAGATCCGTCTCCAAAACAGCCAGTGCTACAACTGGACTCTTTTGCTGGGCAATCG
GTGGAAAACATTTTTCGAGACGGTCCACATCTACCTACGTAGTCGGACTCGGCTACCTACCCTACTGCGA
AATGAGACTGGCCAGGGCCCCGTGGACCTGTCGGATCCCTCCAAGAGGCAGTTCTACATCAAGATCTCAG
ACGTGCAGGTGTTTGGGTATAGCCTGAGGTTCAACGCCGACCTCCTGCGCAGTGCAGTGCAGCAGGTCAA
CCAGTCCTACACACAGGGCGGCCAGTTCTATTCCTCTTCGTCAGTGATGCTCCTCTTGTTGGATATTCGG
GACCGAATTAATCGCCTGGCCCCTCCTGTGGCCCCGGGGAAACCCCAGCTGGACTTGTTCTCCTGTATGC
TGAAACACCGCCTGAAACTGACCAACAGCGAGATCATCAGGGTGAACCACGCCTTGGACCTGTACAACAC
GGAGATCCTCAAACAGTCGGACCAGATGACAGCCAAACTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

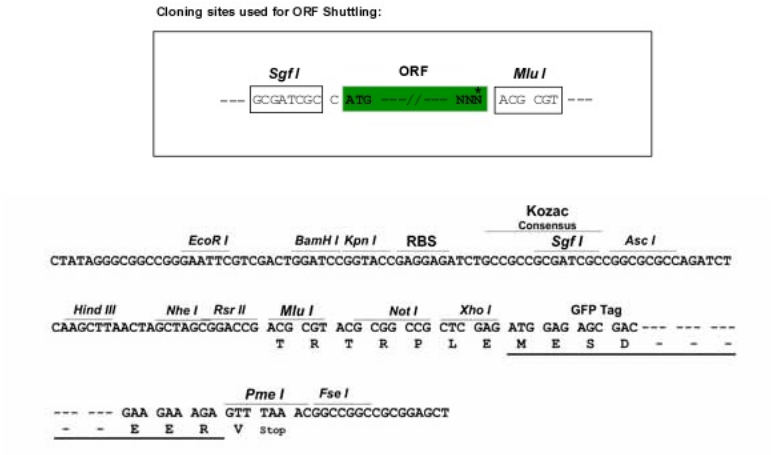
>RG209538 representing NM_014618
Red=Cloning site Green=Tags(s)

MNWRFVELLYFLFIWGRISVQPSHQEPAGTDQHVSKEFDWLISDRGPFHHSRSYLSFVERHRQGFTTRYK
IYREFARWKVRNTAIERRDLVRHPVPLMPEFQRSIRLLGRRPTTQQFIDTIIKKYGTHLLISATLGGEEA
LTMYMDKSRLDRKSGNATQSVEALHQLASSYFVDRDGTMRRLHEIQISTGAIKVTETRTGPLGCNSYDNL
DSVSSVLLQSTESKLHLQGLQIIFPQYLQEKFVQSALSYIMCNGEGEYLCQNSQCRCQCAEEFPQCNCPI
TDIQIMEYTLANMAKSWAEAYKDLENSDEFKSFMKRLPSNHFLTIGSIHQHWGNDWDLQNRYKLLQSATE
AQRQKIQRTARKLFGLSVRCRHNPNHQLPRERTIQQWLARVQSLLYCNENGFWGTFLESQRSCVCHGSTT
LCQRPIPCVIGGNNSCAMCSLANISLCGSCNKGYKLYRGRCEPQNVDSERSEQFISFETDLDFQDLELKY
LLQKMDSRLYVHTTFISNEIRLDTFFDPRWRKRMSLTLKSNKNRMDFIHMVIGMSMRICQMRNSSLDPMF
FVYVNPFSGSHSEGWNMPFGEFGYPRWEKIRLQNSQCYNWTLLLGNRWKTFFETVHIYLRSRTRLPTLLR
NETGQGPVDLSDPSKRQFYIKISDVQVFGYSLRFNADLLRSAVQQVNQSYTQGGQFYSSSSVMLLLLDIR
DRINRLAPPVAPGKPQLDLFSCMLKHRLKLTNSEIIRVNHALDLYNTEILKQSDQMTAKLC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014618

ORF Size: 2283 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).

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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_014618.1, NP_055433.1

RefSeq Size: 3158 bp

RefSeq ORF: 2286 bp

Locus ID: 1620

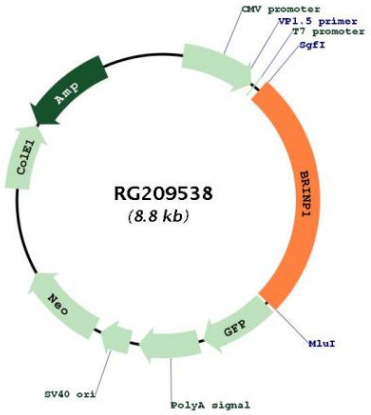
UniProt ID: O60477

Cytogenetics: 9q33.1

Domains: MACPF

Gene Summary: This gene is located within a chromosomal region that shows loss of heterozygosity in some bladder cancers. It contains a 5' CpG island that may be a frequent target of hypermethylation, and it may undergo hypermethylation-based silencing in some bladder cancers. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209538

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