

Product datasheet for **RC209538**

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:	Myc-DDK
Symbol:	DBC1
Synonyms:	DBC1; DBCCR1; FAM5A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC209538 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGTGGAGTTTGTGAGCTCCTACTTCTGTTTATATGGGGCCGTATCTCAGTGCAGCCCTCCC
ACCAGGAACCAGCTGGGACAGACCAACATGTCTCCAAGGAATTTGATTGGCTCATTTTCAGACAGGGGCC
TTTCCACCACTCCAGGAGCTACCTATCCTTTGTGAAAGACACCGTCAAGGATTTACAACCAGATATAAA
ATATACAGGGAGTTGCCGTTGGAAGGTGAGGAACACAGCCATCGAGAGGAGAGATCTGGTCCGCCATC
CAGTGGCCCTCATGCCGAGTTTCAAAGGAGCATCCGCCTGCTTGGCAGGAGACCTACCACTCAGCAGTT
CATCGATACCATCATCAAAAAGTACGGCACCCACCTGCTCATCTCAGCCACATTGGGAGGGGAGGAGGCT
TTGACCATGTATATGGACAAAAGTCGCCTCGACAGGAAGTCAGGGAATGCCACTCAAAGTGTGAAGCTC
TGCACCAGCTCGCATCATCTACTTTGTTGACCGTGATGGTACCATGAGGAGGCTTCATGAGATCCAGAT
ATCAACTGGAGCAATCAAGGTACAGAGACACGCACTGGGCCTCTGGGCTGTAACAGTTATGACAATCTG
GACTCTGTGAGTTCGGTCTTCTGCAAAGCACGGAGAGCAAACCTGCACCTTCAAGGTCTTCAGATAATCT
TTCTCAGTATCTGCAAGAGAAGTTTGTCCAGTCGGCCTTGAGCTATATCATGTGCAATGGGAGGGGGA
GTACCTGTGCCAGAACAGCCAGTGTGCTGCCAATGTGCCGAGGAGTTTCCGCAGTGCAACTGCCCCATC
ACGGACATCCAGATCATGGAGTACACGCTGGCCAAATGGCCAAGTCTTGGGCCGAAGCTTATAAGGACC
TGGAGAATTCAGATGAGTTTAAATCATTATGAAGCGCTCCCCAGCAACCACTTCTGACCATCGGAAG
CATCCATCAGCACTGGGGCAATGACTGGGACCTGCAGAACCGCTACAAGCTCCTGCAGAGTGCCACGGAG
GCACAGAGACAAAAGATCCAACGCACTGCCCGCAAGCTTTTCGGCCTCAGTGTACGCTGTGCCACAATC
CCAACCACGCTGCCTAGAGAGAGGACAATTTCAGCAGTGGCTTGCAAGGGTCCAGTCACTCCTACTG
TAATGAGAATGGGTTTTGGGGAACCTTCTTGGAGAGCCAGCGGAGCTGCGTGTGCCACGGCAGCACCCAG
CTGTGCCAGCGCCCATCCCCTGCGTGATAGGCGGGAACAACAGCTGCGCCATGTGCAGCCTGGCCAACA
TCTCCCTCTGCGGCTCCTGCAACAAGGGCTACAAGCTGTATCGAGGCCGCTGTGAACCACAGAACGTGGA
CTCGGAGCGGAGCGAGCAGTTTATCAGCTTTGAGACTGACCTGGACTTCCAGGACCTGGAGCTGAAGTAC
CTGCTGCAGAAGATGGACTCACGCCTCTACGTCCACACCACCTTCATCAGCAACGAGATCCGCCTCGACA
CCTTCTTTGACCCTCGGTGGCGCAAGCGCATGTCCCTCACTCTCAAGAGCAACAAGAACCAGCATGGACTT
CATCCACATGGTATCGGCATGTCCATGCGCATCTGCCAGATGCGCAACAGCAGCCTGGACCCCATGTTT
TTTGTCTATGTCAACCCCTTAGCGGGAGCCATTCGGAGGGCTGGAACATGCCCTTCGGGAATTTGGCT
ACCCACGCTGGGAGAAGATCCGTCTCCAAAACAGCCAGTGTACAACCTGGACTCTTTTGTGGGCAATCG
GTGGAAAACATTTTTCGAGACGGTCCACATCTACCTACGTAGTCGGACTCGGCTACCTACCTACTGCGA
AATGAGACTGGCCAGGGCCCGTGGACCTGTGGATCCCTCCAAGAGGCAGTTTACATCAAGATCTCAG
ACGTGCAGGTGTTGGGTATAGCCTGAGGTTCAACGCCAGCTCCTGCGCAGTGCAGTGCAGCAGGTCAA
CCAGTCTACACACAGGGCGGCCAGTTCTATTCTCTTCGTGAGTGTCTCTTGTGGATATTCGG
GACCGAATTAATCGCCTGGCCCCCTGTGGCCCCGGGAAACCCAGCTGGACTTGTTCCTGTATGC
TGAAACACCGCTGAAACTGACCAACAGCGAGATCATCAGGTGAACACGCCTTGGACCTGTACAACAC
GGAGATCTCAAACAGTCGGACCAGATGACAGCCAACTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209538 protein sequence
Red=Cloning site Green=Tags(s)

MNWRFVELLYFLFIWGRISVQPSHQEPAGTDQHSKEFDWLI SDRGPFHHSRYSLSFVERHRQGFTRYK
 IYREFARWKVRNTAIERRDLVRHPVPLMPEFQRSIRLLGRRPTTQQFIDTIIKKYTHLLISATLGGEEA
 LTMVMDKSRLDRKSGNATQSVEALHQLASSYFVDRDGTMRRLHEIQISTGAIKVTETRTGPLGCNSYDNL
 DSVSSVLLQSTESKHLQGLQIIFFPQYLQEKFVQSALSYIMCNGEYELCQNSQCRQCACAEFPQCNCPI
 TDIQIMEYTLANMAKSWAEAYKDLENSDEFKSFMKRLPSNHFLTIGSIHQHWGNDWDLQNRKLLQSATE
 AQRQKIQRRTARKLFGLSVRCRHNPNHQLPRERTIQQWLARVQSLLYCENGFWGTFLSQRSCVCHGSTT
 LCQRPIPCVIGGNNSCAMCSLANISLGCSCNKGYKLYRGRCEPQNVDSERSEQFISFETDLDFQDLELKY
 LLQKMSRLYVHTTFFISNEIRLDTFFDPRWRKMSLTLKSNKNRMDFIHMVIGMSMRICQMRNSSLDPMF
 FVYVNPFGSGHSEGNMPPFGEFGYPRWEKIRLQNSQCYNWTL LLLGNRWKTFEFVHIYLRSTRPLPTLLR
 NETGQGPVLDSDPSKRQFYIKISDVQVFGYSLRFNADLLRSVQVQVNSYTGQGFYSSSSVMLLLDIR
 DRINRLAPPVAPGKPLDLFSCMLKHLKLTNSEIIRVNHDLNTEILKQSDQMTAKLC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6834_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

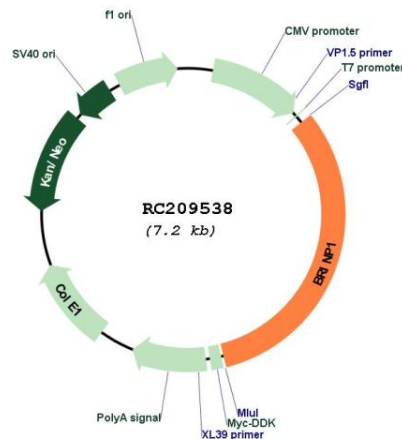
ACCN: NM_014618

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).
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:	<u>NM_014618.3</u>
RefSeq Size:	3196 bp
RefSeq ORF:	2286 bp
Locus ID:	1620
UniProt ID:	<u>O60477</u>
Cytogenetics:	9q33.1
Domains:	MACPF
MW:	88.8 kDa
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 RC209538