

Product datasheet for **RC207678**

DBC2 (RHOBTB2) (NM_015178) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | DBC2 (RHOBTB2) (NM_015178) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | DBC2 |
| Synonyms: | DBC2; DEE64; EIEE64; p83 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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**ORF Nucleotide
Sequence:**

>RC207678 representing NM_015178
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTCTGACATGGATTATGAAAGGCCAAACGTAGAGACCATCAAGTGCCTTGTGGTGGGGACAACG
 CCGTGGGTAAGACCAGGCTCATCTGTGCCCGCGCTTGCAATGCCACCCTACCCAGTACCAGCTGCTGGC
 CACGCATGTGCCACAGTATGGGCCATCGACCAATATCGTGTGTGCCAGGAGGTGCTGGAACGCTCCCGA
 GACGTGGTAGATGATGTACGCTCTCTCTGCGCCTCTGGGACACCTTTGGAGACCACCACAAAGACCGTC
 GCTTTGCTTATGGGAGATCTGATGTGGTGGTTCTGTGCTTCTCCATTGCCAACCCCAATTCCTCCACCA
 TGTCAAGACCATGTGGTACCCAGAAATCAAGCACTTCTGCCCCGAGCACCTGTCTATCTGGTGGGCTGC
 CAGTTGGACCTGCGCTACGCTGACCTGGAGGCTGTCAACAGGGCTAGGCGACCCTTGGCTAGGCCATCA
 AACCTAATGAAATCCTGCCCCAGAGAAGGGTCGGGAGGTGGCCAAGGAGCTGGGCATCCCTACTATGA
 GACCAGCGTGGTGGCCAGTTTCGGCATCAAGGACGTCTTTGACAACGCCATCCGAGCTGCACTCATCTCC
 CGCCGCCACCTGCAGTTCTGGAAGTCCCACCTCCGCAATGTGCAGCGCCCTCTGCTGCAGGCACCCTTCC
 TACCCCAAGCCACCGCCCGGATCATCGTGGTGCCTGACCCTCCCTCCAGCAGCGAGGAGTGCCCGC
 CCACCTCTGGAGGACCGCTCTGCGCGGACGTATCCTGGTGTGCAGGAGCGGGTGCGCATCTTTGCC
 CACAAGATCTACCTCTCCACCTTCTCTCCAAGTTCTATGACCTGTTCTCATGGACCTGAGTGAGGGGG
 AGCTGGGGGGCCCTCGGAGCCAGGGGGCACCCACCCAGAGGACCACCAGGGCCACTCTGATCAACACCA
 CCACCATCACACCACCACCATGGGCGAGACTTCTGCTCCGAGCAGCCAGCTTTGACGTGTGCGAGAGC
 GTGGATGAGGCTGGGGGCTCCGGTCTGCTGCCCTCCGTGCTTCCACCAGCGACGGGATTTACGGGGCA
 ACGGAACAGGGTACCTACCGGGCAGGGGTCGTGTGCTTCTGGAGCCGAGCTTTTGTGAGCATCCA
 GGAAGAGATGGCAGAAGATCCTCTCACCTACAAATCCCGCTGATGGTGGTGGTGAAGATGGACAGTTCC
 ATCCAGCCGGGGCCCTTCCGGGCTGTCTCAAGTACCTGTACACGGGGAGCTAGATGAGAACGAGCGTG
 ACCTCATGCACATTGCCACATTGCTGAGCTGCTCGAGGTCTTTGATCTGCGCATGATGGTGGCCAACAT
 TCTCAACAATGAGGCCTTCATGAACCAGGAGATCACCAAGGCCTTCCACGTCCGCCGGACCAACCGGGT
 AAGGAGTCTTGGCAAAGGCACCTTCTCAGATGTGACCTTATCCTGGATGATGGCACCATCAGCGCCC
 ACAAGCCCTGTTGATTTCCAGCTGTGACTGGATGGCTGCCATGTTTGGGGGCCATTTGTGGAGAGCTC
 CACCCGGGAGGTGGTGTTCCTACACAAGCAAGAGCTGCATGCCGGCCGTGCTGGAATACCTCTACACC
 GGCATGTTACCTCCAGCCCGACTGGATGACATGAAGCTCATATTCTAGCCAACCGCCTCTGCCTGC
 CACACCTGGTTGCCCTCACAGAGCAGTACACAGTGACCGGGCTGATGGAAGCGACCCAGATGATGGTGG
 CATCGATGGGGACGTCTTGTGTTCTGGAAGTGGCTCAGTTCCTGTGCGTACCAGCTGGCCGACTGG
 TGTCTCCACCACATCTGCACCAACTACAACAACGTGTGCCGCAAGTTCACCCGAGACATGAAGGCCATGT
 CCCCAGAAAACCAGGAGTATTTGAGAAGCATCGGTGGCCACCTGTGTGGTACCTGAAGGAGGAAGATCA
 TTACCAGCGGGCACGGAAGGAGCGTGAGAAGGAGGACTACCTCCACCTCAAGCGGCAGCCAAACGGCGT
 TGGCTCTTCTGGAACAGTCCATCCTCCCGTCTTCTCGGCAGCCTCCTCCTCATCCCCATCTTCTCCT
 CGGCTGTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_015178.3](#)

RefSeq Size: 5449 bp

RefSeq ORF: 2184 bp

Locus ID: 23221

UniProt ID: [Q9BYZ6](#)

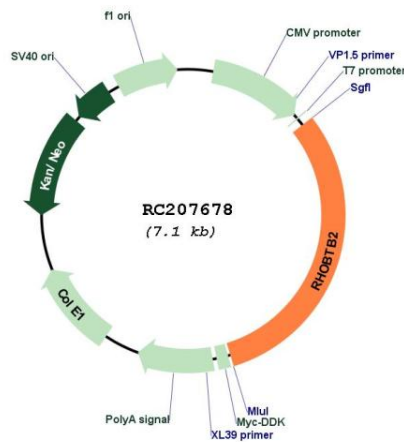
Cytogenetics: 8p21.3

Protein Pathways: Ubiquitin mediated proteolysis

MW: 82.6 kDa

Gene Summary: The protein encoded by this gene is a small Rho GTPase and a candidate tumor suppressor. The encoded protein interacts with the cullin-3 protein, a ubiquitin E3 ligase necessary for mitotic cell division. This protein inhibits the growth and spread of some types of breast cancer. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Product images:



Circular map for RC207678