

## NACC1 cDNA

Catalog Number: ATGD0267

### PRODUCT INFORMATION

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**Catalog number**

ATGD0267

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_443108.1

**Alternative Names**

BEND8, BTBD14B, BTBD30, NAC-1, NAC1, Nucleus accumbens associated 1, BEN domain containing 8

**mRNA Refseq**

NM\_052876.3

**OMIM**

610672

**Chromosome location**

19p13.2

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

1584bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

# NACC1 cDNA

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NACC1 is a member of the BTB/POZ protein family. BTB/POZ proteins are involved in several cellular processes including proliferation, apoptosis and transcription regulation. It is a transcriptional repressor that plays a role in stem cell self-renewal and pluripotency maintenance. A pseudogene of this gene is located on the short arm of chromosome 9.

## DATA

### Sequence nucleotides

```
ATGGCCCAGACACTGCAGATGGAGATCCCGAACTTCGGCAACAGCATCCTGGAGTGCCTCAATGAACAGCGGCTGCAGGG
CCTGTACTGTGACGTGTGAGTGGTCAAGGGCCATGCCTTCAAGGCCACCGGGCCGTGCTTGCTGCCAGCAGCTCCTA
CTTCCGGGACCTGTTCAACAACAGCCGCAGCGCCGTGGTGGAGCTGCCGGCGGCTGTGCAGCCCCAGTCTTTCCAGCAGA
TCCTCAGCTTCTGCTACACGGGCGGCTGAGCATGAACGTGGGCGACCAGTTCCTGCTCATGTACACGGCTGGCTTCCTGC
AGATCCAGGAGATCATGGAGAAGGGCACCGAGTTCCTCAAGGTGAGCTCCCCGAGCTGCGACTCCCAGGGCCTGCAT
GCGGAGGAGGCCCATCGTCGGAGCCCCAGAGCCCCGTGGCGCAGACATCGGGCTGGCCAGCCTGTAGCACCCCGCTGC
CCCTCGTGTGCGGGGTGAAGACGGAGCAGCAGGAGTCGGACTCCGTGCAGTGCATGCCCGTGGCCAAGCGGCTGTGGGA
CAGTGGCCAGAAGGAGGCTGGGGGCGGCGGCAATGGCAGCCGCAAGATGGCCAAGTCTCCACGCCGGACCTGGCTGCC
AACCGGCTCACCAGCCCCGCCACCCCAACAGGCTCCGGTGGTGGCAGCAGCCAGCCCGCCGTGGCTGCGGGAGCAG
GGCAGCCAGCCGGTGGGGTGGCAGCAGCAGGGGGTGTGGTGGTGGGCCCAGCACGTGCGAGCGGACCAGCCAGGCA
CCTCAAGCGCCTACACCAGCGACAGCCCTGGCTCCTACCACAATGAGGAGGACGAGGAGGAGGATGGTGGCGAGGAGGG
CATGGATGAGCAGTACCGGCAGATCTGCAACATGTACACCATGTACAGCATGATGAACGTCGGCCAGACAGCCGAGAAGGT
GGAGGCCCTCCCGGAGCAGGTAGCCCCGAGTCCCGAAATCGCATCCGGGTTCCGGCAAGACCTGGCGTCTCTCCCGGCTG
AACTTATCAACCAGATTGGGAACCGCTGCCACCCCAAGCTCTACGACGAGGGCGACCCCTCTGAGAAGCTGGAGCTGGTGA
CAGGCACCAACGTGTACATCACAAGGGCGCAGCTGATGAACTGCCACGTGAGCGCAGGCACGCGGCACAAGGTCCTACTG
CGGCGGCTCCTGGCCTCCTTTGACCGGAACACGCTGGCCAACAGCTGCGGCACCGGCATCCGCTCTTCTACCAACGAT
CCCCGTCGGAAGCCCCTGGACAGCCGCGTGTCCACGCTGTCAAGTACTACTGCCAGAACTTCGCCCCCAACTTCAAGGAG
AGCGAGATGAATGCCATCGCGGCCGACATGTGCACCAACGCCCGCCGCGTGTGCGCAAGAGCTGGATGCCCAAGGTCAA
GGTGTCAAGGCTGAGGATGACGCCTACACCACCTTCATCAGTCAAACGGGCAAGATCGAGCCGGACATGATGGGTGTGG
AGCATGGCTTCGAGACCGCCAGCCACGAGGGCGAGGCGGGTCCCTCGGCTGAAGCCCTGCAGTAA
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### Transaction Sequence

```
MAQTLQMEIP NFGNSILECL NEQRLQGLYC DVSVVVKGHA FKAHRAVLAA SSSYFRDLFN NSRSVVVLP AAVQPQSFQQ
ILSFCYTGRL SMNVGDQFLL MYTAGFLQIQ EIMEKGTEFF LKVSSPSCDS QGLHAEAPS SEPQSPVAQT SGWPACSTPL
PLVSRVKTEQ QESDSVQCMP VAKRLWDSGQ KEAGGGNGS RMAKFSTPD LAANRPHQPP PPQAPVVAA
AQPAAVAGAG QPAGGVAAAG GVVSGPSTSE RTSPGTSSAY TSDSPGSYHN EEDEEEDGGE EGMDEQYRQI
CNMYTMYMM NVGQTAEKVE ALPEQVAPES RNRIRVRQDL ASLPAELINQ IGNRCHPKLY DEGDPSEKLE LVTGTNVYIT
RAQLMNCHVS AGTRHKVLLR RLLASFFDRN TLANSCGTGI RSSTNDPRRK PLDSRVLHAV KYCQNFAPN FKESEMNAIA
ADMCTNARRV VRKSWMPKVK VLKAEDDAYT TFISETGKIE PDMMGVEHGF ETASHEGEAG PSAEALQ
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