

## Product datasheet for **MR208258**

### **Nacc1 (NM\_025788) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nacc1 (NM_025788) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nacc1
Synonyms:	2010001H03Rik; 4930511N13Rik; Btbd14b; Nac1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208258 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCAGACCTTACAGATGGAGATTCCAAACCTCGGCAACAGCATCCTTGAGTGCCTCAATGAGCAGC  
 GGCTACAGGGACTATACTGTGACGTGTCTAGTAGTGGTGAAGGGCCATGCCTTCAAAGCCACCGTGTCTGT  
 GCTGGCCGCTAGTAGCTCTTACTTCCGGGACCTCTTCAACAGCAGCCGAGTGTGTGGTAGAAGTCCCG  
 GCCGCTGTGCAGCCACAGTCACTCCAGCAGATCCTCACATTTTGTACACAGGCCGGCTGAGCATGAACA  
 TGGGAGACCAGTTTCTGCTCATCTACACAGCCGGCTTCTGCAGATCCAGGAGATCATGGAGAAAGGCAC  
 TGAGTTCTTCTCAAAGTTAGCTCTCAAAGTTGCGACTCCAGGGCTGCACCCGGAGGAGGCCCATCC  
 TCAGAGCCTCAGAGTCTGTAGCGCAGACATTGGGGTGGCCAGCCTGTAGCACGCCACTGCCCTTGTGT  
 CACGGGTCAAGACAGAACAGGAGTTGGACTCAGTGAATGCACACCCATGGCCAAGAGGCTGTGGGACAG  
 CAGCCAGAAGGAGGCTGGAGGCAGTGGTGGCAACAACGGCAGCCGAAGATGGCCAAGTTCTCCAGCCA  
 GACCTGGCCCTTAACCGGATGCCTCAGCCACTCTCAATGGCCACAGCTACAGCAGAGTGGCTGTGGTTG  
 CAGTAGGGGGATGTGTGAGTGGGCCAGCATGTGACAGCGGACCAGTCCAGGTACCTCCAGTGTACAC  
 CAGTGACAGCCCCAGTCTACCACAATGAAGAGGACGAAGAAGAAGATGCAGGTGAGGAGGGCACAGAT  
 GAGCAGTACCGTCAAGTCTGCAATATGTATACAATGTACAGTATGTTGAACGTTGGCCAGACAGCTGAGA  
 AGGTAGAGGCCCTTCTGAGCAGGTGGTCTTGGTCCCGCAGTCGCATTCGAGTGCAGCAAGACCTGGC  
 ATCTCTCCAGCTGAACCTATCAACCAGATTGGCAATCGTTGCCACCAAGCTCTACGATGAAGGTGAC  
 CCCTCAGAGAAGCTGGAGCTCGTGACAGGCACCAATGTATACATCACAAGGCACAGCTTATGAACCTGCC  
 ACGTCAAGTGCAGGCACGCGGCACAAGTCTTGGTGGCGGCTTCTGGCTTCTTCTTTGACCGGAATAC  
 ACTGGCCAATAGCTGTGTACCCGGCATCCGTTCTTCCACCAATGACCCAGACGAAAGCCACTGGACAGT  
 CGTGTCTCCATGCTGTCAAGTACTACTGCCAGAACTTCGCCCAACTCAAGGAGAGCGAGATGAATG  
 CCATTGCAGTGACATGTGCACCAATGCCCGCGAGTGGTACGTAAGGCTGGCTGCCAAGACTAAGCC  
 GCTGCACCTGGTGGAGGGTGATAACTACAGCAGCTTCATCAGCGACACTTGAAGATAGAACCGGACATG  
 ATGAGCATGGAACACAGCTTCGAGACAGCCAGCCAGTGGCGAGGCTGGCCCTCAGCTGAGGTTCTCC  
 AG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208258 protein sequence  
 Red=Cloning site Green=Tags(s)

MAQTLQMEIPNFGNSILECLNEQRLQGLYCDVSVVVKGHAFKAHRAVLAASSYFRDLFNSRSRAVVPEL  
 AAVQPQSFQQLTFCYTGRLSMNMGDQFLLIYTAGFLQIQEIMEKGETFFLKVSSPSCDSQGLHPEEAPS  
 SEPQSPVAQTLGWPACSTPLPLVSRVTEQELDSVQCTPMARLWDSSQKEAGSGGNGSRKMAKFSPT  
 DLALNRMPQPLSMATATAAVAVVAVGGCVSGSMSERTSPGTSSAYTSDSPSSYHNEDEEEDAGEEGTD  
 EQYRQICNMYTMSMLNVGQTAEKVEALPEQVLESRIRVVRQDLASLPAELINQIGNRCHPKLYDEGD  
 PSEKLELVGTNYYITRAQLMNCHVSAGTRHKVLLRLLASFFDRNTLANSCVTGIRSSTNDPRRPLDS  
 RVLHAVKYQCQNFAPNFKESMNIAADMCTNARRVVRKSWLPKTKPLHLVEGDNYSSFISDTCKIEPDM  
 MSMEHSFETASHDGEAGPSAEVLQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

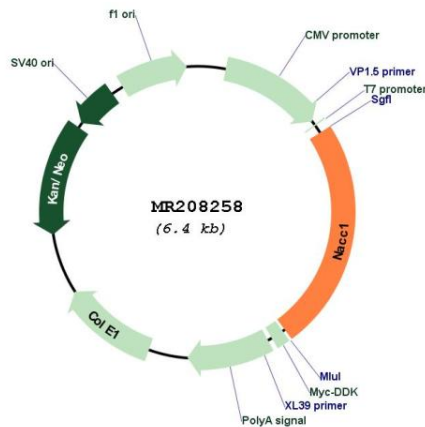


**Cytogenetics:** 8 41.02 cM

**MW:** 56.6 kDa

**Gene Summary:** Functions as a transcriptional repressor. Seems to function as a transcriptional corepressor in neuronal cells through recruitment of HDAC3 and HDAC4. Contributes to tumor progression, and tumor cell proliferation and survival. This may be mediated at least in part through repressing transcriptional activity of GADD45GIP1. Required for recruiting the proteasome from the nucleus to the cytoplasm and dendritic spines. Involved in the acute behavioral and neurological responses to cocaine and amphetamines.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208258