

Product datasheet for **RR208115**

Nacc1 (NM_134413) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nacc1 (NM_134413) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nacc1
Synonyms:	Btbd14b; Nac-1; Nac1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208115 representing NM_134413
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGACCTCGAGATGGAGATCCAAACTTTGGCAACAGCATCCTCGAGTGCCTCAATGAGCAGC
 GGCTACAGGGACTGTATTGTGACGTGTCACTGGTAAAGGGCCATGCCTTCAAAGCCACCGTGTGT
 GTTGGCCGCCAGCAGCTCTACTTCCGGGACTATTCAACAGCAGCCGAGTGTGTGTTAGAAGTGCCA
 GCCGCTGTGCAGCCACAGTCATTCCAGCAGATCCTCACGTTTTGTATACAGGCCGGCTGAGCATGAACA
 TGGGGGACCAGTTCCTGCTCATCTACACAGCCGGCTTCTGCAGATCCAGGAGATCATGGAGAAAGGCAC
 TGAGTTCTTCTCAAAGTTAGCTCTCAAAGTTGCGACTCCAGGGCTGCACCCGGAGGAGGCCCATCC
 TCAGAGCCTCAGAGTCTGTAGCGCAGATATTGGGCTGGCCAGCCTGTAGCACGCCACTGCCCTTGTGT
 CACGGGTCAAGACAGAACAGGAGTTGGACTCGGTGCAATGCACACCCATGGCCAAGAGGCTATGGGATAG
 CAGCCAGAAGGAAGCTGGAGGCAGTGGTGGCAACAATGGCAGCCGAAGATGGCCAAGTTCTCCAGCCA
 GACCTGGCCCCTAACCGGATGCCCCAGCCAGTCTCTGTGGCCACAGCTACAGCAGCAGTGGCTGTGGTTG
 CAGTGGGGGGATGTGTGAGTGGGCCAGCATGTACAGCGGACCAGCCAGGTACCTCCAGTGTACAC
 TAGTGACAGCCCCAGTCTACCACAACGAAGAAGACGAAGAGGAAGATGCAGGTGAGGAGGGCACAGAT
 GAGCAGTACCGTCAGATCGAATATGTATACCATGTACAGTATGTTGAACGTTGGCCAGACAGTTGAGA
 AGGTGGAGGCTCTTCTGAGCAGTCTGCTTGGTCCACAGTCGCATTCGAGTGGCCGAAAGACCTGGC
 ATCTCTCCAGCTGAGCTCATCAACCAGATCGGAATCGCTGCCACCCAAAGCTCTACGATGAAGGGCAC
 CCCTCAGAGAAGCTGGAGCTTGTGACAGGCACCAATGTATACATCACAAGGGCACAACTCATGAAGTCC
 ACGTCAGTGCAGGCACGCGGCACAAGGTTCTGCTGCGGGCTCTTGGCTTCTTCTTTGACCGGAACAC
 ACTGGCCAATAGCTGTGGCACCAGCATCCGTTCTTCCACCAATGACCCTAGACGCAAGCCACTGGCAGT
 CGTGTCTCCATGCTGTCAAGTACTACTGCCAGAACTTCGCCCAACTCAAGGAGAGCGAGATGAATG
 CCATTGCAGCCGACATGTGCACCAATGCCCGCGAGTGGTCCGTAAGGCTGGCTGCCAAGACCAAGCC
 GCTACACCTGGTGGAGGGCGATAACTACAGCAGCTTATCAGCGACACTGGCAAGATAGAACCGGACATG
 ATGAGCATGGAACACAGCTTCGAGACAGCCAGCCAGTGGCGAGGCTGGCCCTTCAGCTGAGGTTCTCC
 AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208115 representing NM_134413
 Red=Cloning site Green=Tags(s)

MAQTLQMEIPNFGNSILECLNEQRLQGLYCDVSVVVKGHAFKAHRAVLAASSSYFRDLFNSSRSAVVELP
 AAVQPQSFQQILTFCYTGRLSMNMGDQFLLIYTAGFLQIQEIMEKGTFFLKVSSPSCDSQGLHPEEAPS
 SEPQSPVAQILGWPACTPLPLVSRVKEQEELDSVQCTPMAKRLWDSSQKEAGGSGGNGSRKMAKFSTP
 DLAPNRMPQPVSVATATAAVAVVAVGGCVSGPMSERTSPGTSSAYTSDSPSSYHNEEEDAGEEGTD
 EQYRQICNMYYTMYMLNVGQTVKVEALPEQVLESHSRIRVRQDLASLPAELINQIGNRCHPKLYDEGD
 PSEKLELVGTNYIITRAQLMNCHVSAGTRHKVLLRLLASFDRNTLANSCGTGIRSSNDPRRKLPLDS
 RVLHAVKYQCQNFAPNFKEMNAIAADMCTNARRVVRKSWLPKTKPLHLVEGDNYSSFISDTGKIEPDM
 MSMEHSFETASHDGEAGPSAEVLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

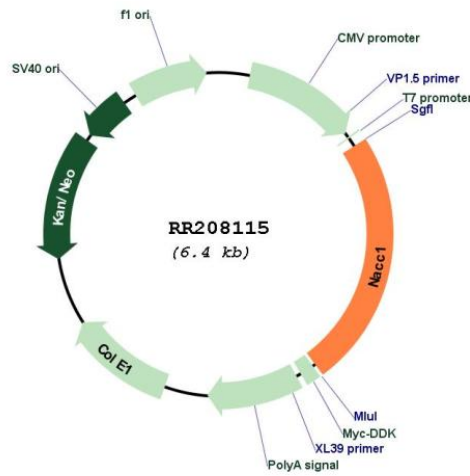
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_134413
ORF Size:	1542 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:	NM_134413.1 , NM_134413.2 , NP_599240.1
RefSeq Size:	2044 bp
RefSeq ORF:	1545 bp
Locus ID:	171454
UniProt ID:	O35260
Cytogenetics:	19q11
MW:	56.4 kDa
Gene Summary:	a POZ/BTB protein involved in triggering apoptosis [RGD, Feb 2006]