

## Product datasheet for **RR213701**

### Vnn1 (NM\_001025623) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vnn1 (NM_001025623) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vnn1
Synonyms:	Tiff66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR213701 representing NM\_001025623  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCCTGTCTCGGTGGCTGGCGTGGGCTGCAGCGTTTTCCGTCTTCTGTGCTTAAAAGTCAGCTCTC  
 TGGACACTTTCCTCGCAGCTGTTTACGAGCATGCTGTGATCCTGCCTAAAGTCACCTGTTACCTGTGTC  
 TCACAGTGAGGCACTGGCATTAAATGAACCAAGAATCTGGACCTTCTGGAAGGAGCGATCTTATCAGCAGCT  
 AAGCAGGGTGCACACATTATTGTGACTCCAGAAGATGGTATATACGGTGTGCAGTTCACCAGGGATACCA  
 TCTACCCATACCTGGAGGATATCCAGACCCTCAAGTAACTGGATACCCTGTGATAATCCGAAAGATT  
 TGGCTCTACCCCGGTGCAGGAGAGACTCAGCTGCTTGGCCAAGAACAACCTCAATCTATGTCGTGGCGAAC  
 ATGGGAGACAAGAAGCCATGCAACACCAGCGACTCTACTGTCCACCTGACGGCCGATTCCAATACAACA  
 CTGATGTGGTGTGTTGATCCCGGGTAAATTGGTTGCCAGATACCATAAGCAAAACCTTTTCATGGGAGA  
 AGAGCAATTCAATGCCCCCGGAGCCTGAGGTCTGACTTTTGACACCCCTTTGGAAAGTTTGGCATC  
 TTCACCTGTTTCGATATTCTCTCCATGATCCTGCTGTCACCCTAGTGACAGAGTTCAGGTGGACACCA  
 TACTGTTCCCAACTGCCTGGATGGACGTCTTCCCTCATTGGCAGCCATTGAATCCACTCAGCTTGGGC  
 TATAGGCATGGGAGTCAATTTCCTAGCAGCTAATCTACATATCCCTTGAGGAGAATGACAGGAAGTGGT  
 ATCTATGCACCCGATTCTCCACGGGCTTTTATTATGACAGGAAGACACAGGAAGGAAAGCTCCTCCTTG  
 CACAGCTGGACTCTACCCGAGTCACTCCCACTGAAGTGGACTTCTATGCCAGCAGTGTAGAAGCACC  
 CCCAACTGAAAAGGAGGAATTTCCGAGTTTTGTTTTCTTTGATGAGTTTACCTTTGTGGAGCTCAAAGGG  
 ATCACAGGAAATTACACTGTTTCCAGAACGACCTCTGCTGTCACTAAGCTACCAGATGCTGAGAAGC  
 GAGCTGATGAAGTTTATGCTCTTGGGGCTTTTACCGGTTGCACACCGTGAAGGGCAGTACACCTGCA  
 GATTTGCATTCTGCTAAAGTGTAATAACTACCAATTTACGCACCTGTGGTAGTTCAGTGGACACAGCTTCT  
 ACCAGTTTTGAAATGTTCTCCCTCAGTGGCACTTTTGGAAACGCGGTATGCTTCCCTGAGGTGTTGCTGA  
 GTGAAGTCAAGCTTGCTCCTGGGGAGTTTCAAGTGTGAGTGACGGGCGCCTGGTTAGCCTGAAGCCAAC  
 GTCTGGACCTGTGTTAACAGTCGGTCTCTTTGGGAGTTGTATGAGAAGGACTGGGCATCAATGCTTCC  
 TCAGACCTCATAGCACACTACTGATAATAATGCTGATCCTAGCTCTATTATACATTACTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213701 representing NM\_001025623  
 Red=Cloning site Green=Tags(s)

MSLSRWLAWAAAFSVFCVLKVVSLDTFLAAVYEHAVILPKVTLTPVSHSEALALMNQNLDLLEGAILSAA  
 KQGAHIIIVTPEDGIYGVQFTRDTIYPYLEDIPDPQVNWIPCDNPERFGSTPVQERLSCLAKNNSIYVVAN  
 MGDKKPCNTSDSHCPPDGRFYNTDVFVDSRGLVARYHKQNLFMGEEQFNAPPEPEVVTFTDPFGKFGI  
 FTCCFDILFHDPVAVTLVTEFQVDTILFPTAWMDVLPFLAAIEFHSAWAIGMGNFLAANLHIPLRRMTGSG  
 IYAPDSPRAFHYDRKTQEGKLLLAQLDShSPVNWTSYASSVEAPTEKEEFRSFVFFDEFTEFVELKG  
 ITGNYTVCQNDLCCHLSYQMSEKRADEVYALGAFDGLHTVEGQYHLQICILLKCKTTNLRTCGSSVDTAS  
 TRFEMFSLSGTFGTRYVPEVLLSEVKLAPGEFQVLSGRLVSLKPTSGPVLTVGLFGRLYEKDWASNAS  
 SDLIAHSLIIMLILAPIIHLYC

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001025623

**ORF Size:** 1536 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:**

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\\_001025623.1](#), [NP\\_001020794.1](#)

**RefSeq Size:** 2421 bp

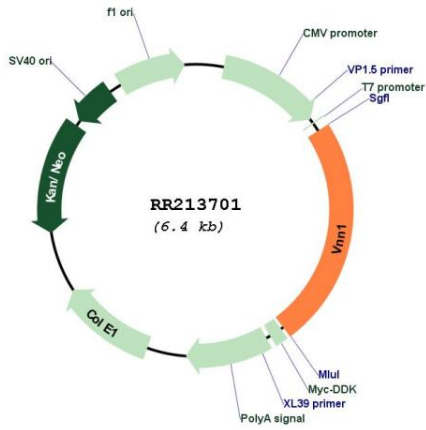
**RefSeq ORF:** 1539 bp

**Locus ID:** 29142

**Cytogenetics:** 1p12

**MW:** 57 kDa

Product images:



Circular map for RR213701