

## Product datasheet for **RR210908**

### **Vil1 (NM\_001108224) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Vil1 (NM_001108224) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vil1
Synonyms:	Vil
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR210908 representing NM\_001108224  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTAAACTGACTGCCAAGTCAAAGGCTCTCTCAACACCACCCTCCAGGAATACAAATATGGAGGA  
 TAGAGGCTATGCAGATGGTGCCGGTTCCTTCCAGCACCTTTGGAAGCTTCTTCGATGGTACTGCTATGT  
 AGTCCTGGCTATCCACAAGACCGGCAGCACCTCTCTACGATATCCACTACTGGATTGGCCAGGACTCG  
 TCCCAGGATGAGCAGGGGCGAGTCCATCTACACAACACAGATGGATGACTACCTGAAGGGCCGGGCTG  
 TCCAGCACCGTGAGGTCCAAGGCCATGAGAGCGACACATTCCGGAGCTACTTCAAGCAAGGCCTTGAT  
 CCGGAAAGGGGCGTGGCTTCTGGCATGAAGCACGTAGAAAACAACTCCTGTGATGTCCAGCGACTGTTG  
 CACGTCAAGGGCAAGAGGAATGTCTGGCTGGAGAGGTGAAATGTCCTGGAAGAGTTTCAACAGAGGGG  
 ATGTTCTCTGCTGGACCTTGGGAAGCTTATCATCCAGTGAATGGCCAGAGAGTAACCGCATGGAGAG  
 ACTTCCGGGCATGACCTTGGCCAAAGAGATCCGAGACCAGGAGCGGGGTGGACGCACCTACGTAGGCGTG  
 GTGGATGGGGAGAATGAAGGGGACTCCCCACAGCTGATGGCAATTATGAACCACGTGCTGGGCCACGCA  
 AGGAACTAAAGGCTGCAATTTCTGACTCAGTGGTGGAGCCGGCCCTAAGGCTGCACTCAAGCTGTACCA  
 TGTGTCTGATTAGAAGGAAAAATGGTGGTTAGAGAAGTTGCTACTCAGCCACTCACACAGGACTTGCTC  
 AGCCATGAGGACTGTTACATCCTGGACCAGGGAGGCTGAAGATCTTTGTGTGGAAGGAAAAATGCCA  
 ATGCCCAGGAGAGGAGCGGAGCCATGAACCAGGCTTTGAACTTCAAGCCAAGCAGTACCCACCTAG  
 CACGCAGGTTGAGGTGAGAATGATGGGGCTGAGTCCGCCATTTCCAGCAGCTTTCAGAAAGTGGACA  
 GTGCCAAATCGGACCTCAGGCCCTGGCAAACCCACACAGTGGGCTCTGTGGCCAAGGTGGAACAGGTGA  
 AGTTTGATGCTCTGTCCATGCAGTACGGCCTCAAGTGGCTGCCAGCAGAAAATGGTGGATGACCGGTA  
 TGGGGAAGTGCAGGTGTGGCGCATCGAGGACTTAGAGCTGGTGCCTGTGGAGTCCAAGTGGCTGGGCCAT  
 TTCTATGGCGGCGACTGCTACCTGCTGCTATACCTACCTCATAGGCGAGAAGGAGCACTACTGCTGT  
 ATATCTGGCAGGGCAGCCAGGCCAGGATGAAATTGCAGCCTCGGCTTACCAAGCTGTCAACCTGGA  
 CCAGAAGTACAACGACGAGCCAGTGCAGATCCGGGTACGATGGGCAAGGAGCCGCCACCTCATGTCT  
 ATCTTCAAGGGGCGCATGGTGGTTTATCAGGGAGGCACCTCCCGAAAGAACAACGTGGAGCCCGTGCCT  
 CTACAAGGCTGTTTCAGGTCCGAGGGACCAGTGTGATAACACCAAGGCTTTTGAGGTTACAGCCCGGGC  
 CACCTCCCTCAACTCAAATGATGTCTTCACTCAAGACTCCGTCTGCTGCTACCTGTGGTGTGAAAAG  
 GGCTGCAGTGGGGATGAGCGGGAGATGGCCAAGATGGTTGCTGATACCATCTCTCGACAGAGAAAACAG  
 TGGTGGTGCAGGGGCGAGGAGCCAGCCAACCTTCTGGATGGCTCTGGGTGGGAAGGCCCATATGCCAACAC  
 CAAGAGGCTGCAGGAGGAAAACCAAGTCATCACTCCTCGGCTCTTTGAGTGTCCAACCAGACTGGGCGC  
 TTTCTGGCCACAGAGATCTTGACTTCACTCAGGACGACCTGGAAGAGGATGATGTGTTCTATTGGATG  
 TCTGGGACCAGGTCTTCTTGGATAGGGAAACACGCCAACGAGGAAGAGAAGAAGGCTGCAGCTACAAC  
 TGCACAGGAATACCTCAAGACCCACCCGAAACAGAGACCCTGAGACCCTATCATTGTGGTGAAGCAG  
 GGGCAGAGCCCTCCACCTTACAGGCTGGTTCCTGGCTGGGATCCCTCAAGTGGAGTAACACCAAT  
 CTTATGATGACCTCAAGCCGAGTTGGGAACTCTGGGACTGGAGCCAGATTGCTGATGAGGTTATGAG  
 CCCAAAGTGGATGTTTTCACTGCCAATACCAGCTTCAGTCTGGGCCCTTGCCATCTATCCCTGGAG  
 CAGCTGGTAAACAAGCCTGTGGAGGAGCTCCCTGAGGGTGTGGACCCACCAGGAAGGAGGACACCTGT  
 CCACTGAAGATTTCACTAAGGCTTTGGGGATGACTCCAGCTGCCTTCTCTGCGCTGCCTCGATGGAGCA  
 ACAAACCTCAAGAAGGAGAAAGGACTGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210908 representing NM\_001108224  
Red=Cloning site Green=Tags(s)

MTKLTAQVKGSLNTTTPGIQIWRIEAMQMPVPSSTFGSFFDGDYVVLAIHKTGSTLSYDIHYWIGQDS  
SQDEQGAAYITTMDDYLKGRAVQHREVQGHESDTFRSYFKQGLVIRKGGVASGMKHVETNSCDVQRLL  
HVKGKRNVLAGEVEMSWKSFNRGDVFLDLGKLIQWNGPESNRMERLRGMTLAKEIRDQERGGRTYVGV  
VDGENEGDSPQLMAIMNHVVGPRKELKAAISDSVVEPAKAAALKLYHVSDSEGKMMVVREVAQTQDLL  
SHEDCYILDQGGKIFVWKGKNANAQERSGAMNQALNFIKAKQYPPSTQVEVQNDGAESAIFQQLFKWT  
VPNRTSGLGKTHTVGSVAKVEQVKFDALSMHVRPQVAAQKQMVDDGSGEVQVWRIEDLELVPVESKWLGH  
FYGGDCYLLLYTYLIGEKEHYLLYIWQGSQASQDEIAASAYQAVNLDQKYNDEPVQIRVTMGKEPPHMS  
IFKGRMVVYQGGTSRKNVPEVPSTRLFQVRGTSADNTKAFEVTARATSLNSNDVFILKTPSCCYLWCGK  
GCSGDEREMAKMVADTISRTEKQVVVEGQEPANFWMALGGKAPYANTKRLQEENQVITPRLFECNSQTGR  
FLATEIFDFTQDDLEEDDVFLLDVWDQVFFWIGKHANEEKAAATTAQEYKTHPGNRDPETPIIVVKQ  
GHEPSTFTGWFLAWDPFKWSNTKSYDDLKAEKLNKSGDWSQIADEVMSPKVDVFTANTSFSSGGLPIYPLE  
QLVKNPVEELPEGVDPTRKEEHLSTEDFTKALGMTAAFSALPRWKQQLKKEKGLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

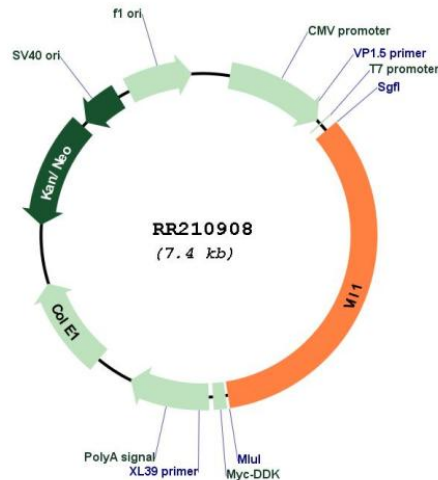
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001108224

**ORF Size:** 2481 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\\_001108224.2](#), [NP\\_001101694.1](#)

**RefSeq Size:** 3376 bp

**RefSeq ORF:** 2484 bp

**Locus ID:** 316521

**Cytogenetics:** 9q33

**MW:** 92.7 kDa