

Product datasheet for **RN203691**

Vcl (NM_001107248) Rat Untagged Clone

Product data:

| | |
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| Product Type: | Expression Plasmids |
| Product Name: | Vcl (NM_001107248) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Vcl |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >RN203691 representing NM_001107248 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTGTTCACACGCGCAGCATCGAGAGCATCCTGGAGCCGGTGGCGCAGCAGATCTCTCACCTGG
TGATTATGCACGAGGAGGGCGAGGTGGACGGCAAAGCCATTCTGACCTCACCGCGCCCGTGGCCGCTGT
GCAGGCGGCCGTGACCAACCTCGTCCGGTTGGGAAAGAGACCGTTCAGACCAGTGGAGATCAGATTTTG
AAGAGAGATATGCCGCCAGCATTATTAAGGTCGAGAATGCTTGACGAAGCTTGTTCAGGCAGCTCAGA
TGCTTCAGTCAGACCCATACTCTGTTCTCGCGGGATTACCTCATCGACGGCTCCAGGGGAATCTCTC
TGGAACTGCTGACCTCTGCTTACCTTTGATGAGGCTGAGGTTGAAAAATTATAAGAGTTTCAAAGGG
ATTTTGAATACCTCACAGTGGCAGAGGTAGTGGAGACTATGGAAGACTTGGTCACTTACACAAAGAACC
TTGGGCCCGGAATGACGAAGATGGCCAAAATGATCGATGAGAGACAGCAGGAGTTGACGCACCAGGAACA
CCGTGTGATGCTGGTGAACCTCAATGAACACTGTCAAAGAGCTGCTTCTGTTCTCATTTCAGCTATGAAG
ATTTTGTACAACCAAAAACCTCAAAAACCAAGGAATAGAAGAAGCTCTGAAAAATCGAAATTTACTG
TAGGAAAGATGAGTGCTGAGATTAACGAGATCATTCTGTTGTTACAACCTCACCTCTGGGATGAGGACGC
CTGGGCCAGCAAGGACACTGAAGCCATGAAGAGAGCGCTGGCCTCCATAGACTCGAAACTGAACAGGCC
AAAGGTTGGCTCCGTGACCCCAACGCTTCCCCAGGGGACGCCGGTGGAGCAGGCCATCAGGAGATCTTGG
ACGAAGCTGGAAGGTTGGTGAACCTTTGTGACGCAAGGAACGCAGGGAGATCCTAGGAACCTGCAAGAT
GCTAGGGCAGATGACTGACCAAGTGGCTGACCTCCGAGCCAGAGGACAAGGAGCCTCGCCAGTGGCCATG
CAGAAGGCCAGCAAGTGTCTCAGGGGCTCGACGTGCTTACTGCGAAAGTGGAAATGCAGCTCGAAAGC
TGGAAAGCCATGACGAACCTCAAAGCAGAGTATTGCGAAGAAGATTGACGCTGCGCAGAATTGGCTGGCAGA
TCCCAATGGTGGACCTGAAGGAGAAGAACAGATCCGAGGGGCTTTGGCTGAAGCTCGGAAGATTGCTGAG
TTATGTGATGATCCTAAGGAGAGGGACGACATCCTCCGCTCTTGGAGAGATAGCGGCTCTGACCTCTA
AATTAGGAGACTTGCGAAGACAGGGGAAAGGAGACTCCCCAGAGGCTCGAGCCTTGGCTAAACAAGTGGC
AACCGCGCTACAGAACCTGCAGACCAAAAACCAATAGGGCTGTGGCCAACAGCAGGCTGCCAAGGCAGCC
GTCCACCTGGAAGGCAAGATTGAGCAGGCACAGCGGTGGATTGATAACCTACAGTGGATGACCGAGGAG
TCGGTCAGGCTGCCATCCGTGGACTTGTGGCTGAAGGGCATCGGCTGGCCAATGTCATGATGGGACCTTA
TCGCCAAGATCTTCTCGCCAAGTGTGACCGTGTAGACCAGCTAGCAGCTCAGCTGGCTGACCTGGCTGCC



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CGAGGGGAGGGGAGAGTCTCAGGCGAGAGCGCTTGCTTCTCAGCTTCAGGACTCCTTAAAGGATCTTA
AAACCCAGATGCAGGAAGCTATGACTCAAGAGGTGCCGACGTTTTTCAGCGATACTACAACCTCCCATCAA
GCTGTTGGCAGTGGCGGCCACTGCTCCTCTGATGCGCCCAATAGGGAAGAGGTATTTGACGAGAGAGCA
GCCAACTTTAAAACCATTCAGGAAGGCTTGGGGCCACGGCAGAGAAGGCAGCTGCTGTTGGTGTGCCA
ATAAATCGACAGTGAAGGCATTGAGGCATCCGTGAAGACAGCCGAGAAGCTCACTCCCCAGGTGATCTC
AGCTGCTCGAATCTTACTGAGGAACCTGGTAACCAAGCTGCGTATGAACATTTTGAGACCATGAAGAAC
CAGTGGATTGATAATGTTGAGAAAATGACAGGGCTGGTGGACGAGGCCATTGATACCAAATCTCTGTTGG
ATGCTTCTGAAGAAGCAATTAAGAAAGACCTGGACAAGTGAAGGTAGCCATGGCCAATATTCAGCCTCA
GATGCTGGTCGCTGGAGCAACAGTATTGCTCGTGGGCAACCGGATTCTGCTGGTTGCTAAGAGGGAG
GTAGAGAAGCTCTGAGGATCCGAAGTTCAGAGGCTGTGAAAGCTGCCTCTGATGAACTGAGCAAAACAA
TCTCCCCATGGTTATGGATGCCAAGGCTGTGGCTGGAACATCTCTGACCCTGGCTGCAAAAGAGCTT
CCTGGACTCAGGATATCGGATCCTGGGAGCTGTGGCCAAAGTTAGAGAAGCCTTCCAACCTCAGGAGCT
GACTTCCCGCTCCTCCACCAGACCTTGAACAGCTACGTCTAACTGATGAGCTGGCTCCTCCAAACCAC
CTCTGCCTGAGGGTGAAGTCCCTCCACCAGGCCACCCACCAGAAGAGAAGGATGAAGAGTTCCTGA
GCAGAAAGCCGGGAGGTGATTAACAGCCGATGATGATGGCCGACAGGCTCCACGATGAAGCTCGG
AAGTGGTCTAGCAAGGGCAATGACATCATCGCAGCAGCCAAGCGATGGCTCTGCTGATGGCGGAGATGT
CTCGGCTGGTAAGAGGGGGCAGTGGTACCAAGCGGGCACTTATTCAAGTGTCCAAGGATATCGCCAAGGC
CTCTGATGAGGTGACGAGGTTGGCCAAGGAGGTTGCCAAGCAGTGCACAGATAAGCGGATTAGAACCAAT
CTTTACAGGTCTGTGAGCGAATCCCAACTATAAGCACCAGCTCAAAATCCTGTCCACAGTGAAGGCCA
CCATGCTGGGCCGACCAACATCAGTGCAGGAGTCTGAGCAGGCCACAGAGATGCTGGTTCATAATGC
CCAGAACCTCATGCAGTCTGTGAAGAGACTGTGCGAGAGGCCGAAGCTGCTTCAATCAAGATTCGAACA
GACGCCGATTTACTCTGCGCTGGTTCAGAAAGACTCCCTGGTACCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107248

Insert Size: 3201 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001107248.1, NP_001100718.1

RefSeq Size: 5270 bp

RefSeq ORF: 3201 bp

Locus ID: 305679

UniProt ID: [P85972](#)

Cytogenetics: 15p16

Gene Summary: Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion. [UniProtKB/Swiss-Prot Function]