

## Product datasheet for **RN209091**

### Vdr (NM\_017058) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vdr (NM_017058) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vdr
Synonyms:	Nr1i1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN209091 representing NM\_017058  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGGCAACAGCGCCAGCACCTCCCTGCCGACCCTGGTACTTTGACCGGAACGTGCCCGGATCT  
GTGGAGTGTGGAGACCGAGCCACAGGCTTCCACTTCAATGCTATGACCTGTGAAGGCTGCAAAGGTTT  
CTTCAGGCGGAGCATGAAGCGGAAGGCCCTGTTACCTGTCCCTTCAATGGAGATTGCCGCATACCAAG  
GACAACCGGCGACACTGCCAGGCTGCCGGCTCAAACGCTGTGTGGACATCGGCATGATGAAGGAGTTCA  
TCCTGACAGATGAGGAGGTACAGCGTAAGAGGGAGATGATAATGAAGAGAAAAGAGGAAGAGGCCTTGA  
GGACAGTCTGAGGCCAAGCTATCTGAAGAACAACAGCACATCATAGCCATCCTGCTGGACGCCACCAC  
AAGACCTATGACCCACCTACGCTGACTTCAGGGACTTCCGGCCTCCAGTTCGTATGGACGGAAGTACAG  
GGAGCTATTCTCAAGGCCACACTCAGCTTCTCCGGAACTCCTCCTCCTCAGCTCTGACCTGTACAC  
CACCTACTAGACATGATGGAACCATCCGGCTTTTCCAACCTGGATCTGAACGGAGAGGATTCTGATGAC  
CCGTCTGTGACTCTGGACCTGTCTCTCTCTCCATGCTGCCCCACCTGGCTGACCTTGTCAGTTACAGCA  
TCCAAAAGGTCATCGGCTTTGCCAAGATGATCCCAGGATTCAGGGATCTCACCTCCGATGACCAGATTGT  
CCTGCTTAAGTCAAGCGCATTGAGGTGATCATGTTACGCTCCAACAGTCTTTCACCATGGATGATATG  
TCCTGGGACTGTGGCAGCCAGGACTACAAGTACGACGTACCCGATGTCTCAAAGCTGGGCACACCCTGG  
AGCTGATCGAGCCCTCATAAAGTTCAGGTGGGGCTGAAGAAGCTGAACCTACATGAGGAAGAGCATGT  
CCTTCTCATGGCCATCTGCATTGTCTCCCGGACCGACCTGGGGTCCAGGACGCCAAGCTGGTGGAAAGCC  
ATTCAGGACCGCCTATCCAACACGCTGCAGACCTACATCCGCTGCCGCCACCCGCCCCAGGCAGCCACC  
AGCTCTATGCCAAGATGATCCAGAACTGGCCGACCTGCGGAGCCTCAACGAGGAACACTCCAAACAATA  
CCGCTCCCTCTCCTTCCAGCCCAGAAATAGCATGAAGTACACCCCTTGTGCTGGAGGTGTTCCGCAAT  
GAGATCTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1707\\_b03.zip](https://cdn.origene.com/chromatograms/ja1707_b03.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_017058

**Insert Size:** 1272 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_017058.1](#), [NP\\_058754.1](#)

**RefSeq Size:** 2043 bp

**RefSeq ORF:** 1272 bp

**Locus ID:** 24873

**UniProt ID:** [P13053](#)

**Cytogenetics:** 7q36

**Gene Summary:** binds vitamin D3; acts as a transcriptional regulator of the osteocalcin gene [RGD, Feb 2006]