

Product datasheet for **MR206711**

Vdr (NM_009504) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vdr (NM_009504) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vdr
Synonyms:	Nr1i1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR206711 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCAATGGCAGCCAGCACCTCCCTGCCTGACCCTGGTGACTTTGACCGGAATGTGCCTCGGATCT
GTGGAGTGTGTGGAGACCGAGCCACGGGCTTCCACTTCAACGCTATGACCTGTGAAGGCTGCAAGGTTT
CTTCAGGCGGAGCATGAAGCGCAAGGCCCTGTTCACTGCCCTTCAATGGAGATTGCCGCATACCAAG
GACAACCGGCGACACTGCCAGGCTGCCGGCTCAAACGCTGCGTGGACATTGGCATGATGAAGGAGTTCA
TCCTCACAGATGAGGAGGTGCAGCGTAAGCGAGAGATGATCATGAAGAGGAAGGAGGAAGAGGCCTTGA
GGACAGTCTGAGGCCAAGCTGTCTGAGGAGCAACAGCACATTATCGCCATCCTGCTCGATGCCACCAC
AAGACCTACGACCCACCTATGCCGACTCCGGGACTCCGGCCTCCAATTCGTGCAGACGTAAGTACAG
GGAGCTATTCTCAAGGCCACACTCAGCTTCTCCGAGACTCCTCCTCAAACCTGATCTGTACACCCC
CTCACTGGACATGATGGAACCGCCAGCTTTTCCACGATGGATCTGAATGAAGAAGGCTCCGATGACCCC
TCTGTGACCCTGGACCTGTCTCCGCTCTCCATGCTGCCACCTGGCTGATCTTGTGAGTTACAGCATCC
AAAAGGTCATCGGCTTGGCAAGATGATCCCTGGCTTCAGGGACCTCACCTCTGATGACCAGATTGTCT
GCTTAAGTCAAGTGCCATTGAGGTGATCATGTTGCGCTCCAACAGTCTTTTACCTTGGATGACATGTCC
TGGGACTGTGGCAGCCAAGACTACAAATATGACATCACTGATGTCTCCAGAGCTGGGCACACCCTGGAGC
TGATCGAACCCCTCATAAAGTTCAGGTGGGGCTGAAGAAGCTGAACCTCCATGAGGAAGAACATGTGCT
GCTCATGGCCATCTGCATTGTCTCCCAGACCGACCTGGGGTACAGGATGCTAAGCTGGTTGAAGCCATT
CAGGACCGCTATCCAACACACTGCAGACCTACATCCGCTGCCGCCACCCGCCCGGGCAGCCACCAGC
TCTACGCCAAGATGATCCAGAAGCTGGCTGACCTGCGAAGCCTCAATGAGGAGCACTCCAACAGTACCG
TTCCTCTCCTTCCAGCCGGAGAACAGCATGAAGCTCACACCCCTTGTGCTAGAGGTGTTCCGCAATGAG
ATCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206711 protein sequence
Red=Cloning site Green=Tags(s)

MEAMAASLSPDPGDFDRNVPRICGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKALFTCPFNDCRITK
DNRRHCQACRLKRCVDIGMMKEFILTDEEVQRKREMIMKRKEEALKDSLRLPKLSEEQQHIIAILLDAHH
KTYDPTYADFRDFRPPIRADVSTGYSRPTLSFGDSSNSDL YTPSLDMMEPASFSTMDLNEEGSDDP
SVTLDLSPLSMLPHLADLVSYIQKVIQFVKMIPGFRDLTSDQIVLLKSSAIEVIMLRNSQSFTLDDMS
WDCGSQDYKYDITDVSRAHGLELIEPLIKFQVGLKLNLEHEHVLLMAICIVSPDRPGVQDAKLVIAI
QDRLSNTLQTYIRCRHPPPGSHQLYAKMIQKLADLRSLNEEHSKQYRSLSFQPENSMKLTPLVLEVFNE
IS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_009504

ORF Size: 1269 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 or by calling 301.340.3188 option 3 for pricing and delivery.

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).

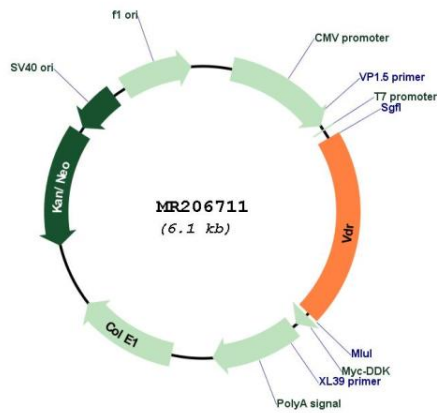
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_009504.4](#)

RefSeq Size: 4354 bp
 RefSeq ORF: 1269 bp
 Locus ID: 22337
 UniProt ID: [P48281](#)
 Cytogenetics: 15 F1
 MW: 47.8 kDa

Gene Summary: Nuclear receptor for calcitriol, the active form of vitamin D3 which mediates the action of this vitamin on cells (By similarity). Enters the nucleus upon vitamin D3 binding where it forms heterodimers with the retinoid X receptor/RXR (By similarity). The VDR-RXR heterodimers bind to specific response elements on DNA and activate the transcription of vitamin D3-responsive target genes (By similarity). Plays a central role in calcium homeostasis (By similarity).
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206711