

Product datasheet for **MC219150**

Nr1d2 (NM_011584) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1d2 (NM_011584) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr1d2
Synonyms:	Rev-erb; RVR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219150 representing NM_011584
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGAACGCAGGAGGTGTGATTGCCTACATCAGTTCCTCTAGCTCTGCCTCCAGCCCTGCCTCTT
 GTCACAGTGAGGGTTCTGAGAATAGCTTCCAGTCTCGTCTCGTCTGTTCCATCTTCTCCAAATAGCTC
 TAACTGTGATGCCAACGGCAATCCCAAGAACGCTGATATCTCTAGCATCGATGGTGTCTGAAGAGTGAC
 CGCACAGATTGTCTGTGAAAACAGGCAAAACCAGTGCTCCTGGCATGACTAAGAGTCACAGTGGAATGA
 CAAAATTTAGTGGCATGGTTCTACTGTGTAAGTCTGTGGGGATGTGGCATCAGGATCCACTATGGAGT
 TCATGCTGTGAAGGCTGAAGGGTTCTTTCCGAGGAGCATTACGAAAAACATCCAGTATAAGAAGTGC
 CTGAAGAATGAGAACTGTCCATCATGAGGATGAACAGGAACCGTGCCAGCAGTGCCGCTTTAAGAAGT
 GTCTGTCTGTGGGATGTCACGAGATGCTGTTTCGATTTGGCCGAATTCCTAAGCGTGAAAAACAGAGAAT
 GCTAATTGAAATGCAAAGTGCAATGAAGACCATGATGAACACCCAGTTCAGTGGCCACCTGCAGAATGAC
 ACCTTAGCAGAACAGCATGATCAGTCAGCACTACCAGCTCAGGAACAGCTGCGGCCCAAGTCCCAGCTGG
 AGCAAGAAAAACATCAAAAACACTCCTTCTGATTTTGCAAAGGAGGAAGTATTGGTATGGTGACCAGAGC
 CCACAAGGATACCTTTCTGTATAATCAGGAACATCGAGAAAACCTCATCTGAGAGCATGCCACCTCAGAGA
 GGAGAACGGATTCCCAGGAACATGGAGCAATATAATTTAAATCAAGACCATCGTGGCAGTGGGATTACACA
 ACCACTTCCCCTGTAGTGAGAGGCGCAACATCTCAGTGGACAGTACAAAGGGAGGAACATAATGCATTA
 CCCAAACGGCCATGCCGTTTGTATTGCAAATGGACACTGTATGACTTCTCCAGTGTCTTACTCAAAGA
 GTCTGTGATAGAATCCAGTAGGTGGATGTTCTCAGACTGAGAACAGAAATAGTTACCTGTGCAACACTG
 GAGGGAGGATGCATCTGGTGTCTCATGAGCAAGTCTCCATATGTGGACCCTCAGAAGTCTGGACATGA
 AATCTGGGAAGAATTTTCAATGAGTTTTACCCAGCAGTAAAAGAGGTGGTGAATTTGCAAAGAGGATT
 CCTGGCTTCCGAGATCTGTCTCAGCATGATCAGGTCAATCTGTTAAAAGCTGGGACTTTTGAGGTTTTAA
 TGGTACGATTTGCTTATTATTTGATGCAAAGGAACGGACTGTCACCTTTCTAAGTGGTAAGAAGTACAG
 TGTGGATGACCTGCACTCAATGGGAGCAGGGGATCTGCTCAGCTCTATGTTTGTGTTTGTGAGTGTGAGAGCTG
 AATGCCCTCCAGCTCAGTGTGAGGAAATGAGCTTGTTCACAGCAGTGTCTGTTGATCTGCAGATCGAT
 CTGGAATTGAAAATGTCAACTCAGTGGAGGCTTGCAGGAAACACTCATCCGTGCACTAAGGACCTTAAT
 AATGAAAAACCATCCAAATGAGGCCTCCATTTTACAAAATTACTCTAAAGTTGCCAGATCTTCGATCT
 TTAACAACATGCACTCTGAGGAACTCTTGGCCTTTAAAGTTCATCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1818_c12.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_011584

Insert Size: 1731 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](#)

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: [BC096461](#), [AAH96461](#)

RefSeq Size: 4640 bp

RefSeq ORF: 1731 bp

Locus ID: 353187

UniProt ID: [Q60674](#)

Cytogenetics: 14 A2

Gene Summary: This gene encodes a member of the nuclear hormone receptor family, specifically the NR1 subfamily of receptors. The encoded protein functions as a transcriptional repressor and may play a role in circadian rhythms and carbohydrate and lipid metabolism. [provided by RefSeq, Feb 2014]