

## Product datasheet for **MC203687**

### **Nr1d1 (NM\_145434) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nr1d1 (NM_145434) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr1d1
Synonyms:	A530070C09Rik; R75201
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC008989  
 GGCAGAGAGGCCATCACAACTCCAGTTTGTGTCAAGGTCCAGTTTGAATGACCGCTTTCAGCTGGTGA  
 AGACATGACGACCCTGGACTCCAATAAACACACAGGTGGTGTATCACCTACATTGGCTCTAGTGGCTCC  
 TCCCGAGCCGGACCAGCCCGGAGTCCCTCTACAGTGACAGCTCCAATGGCAGCTTCCAGTCCCTGACTC  
 AAGTTGTCCCACATACTCCCACCATCACCTACTGGCTCCCTCACCCAGGACCCGCCCCGCTCTTTGG  
 CAGTGCGCCACCCAGTCTCAGTGATGATAGTCCCTTCTTCTACATCATCGTCATCCTCTTCATCCTCC  
 TCCTCTTCTATAACGGGAGCCCCCAGGAAGTCTACAAGTGGCCATGGAAGACAGCAGCCGAGTGTCCC  
 CCAGCAAGGGCACAAGCAACATTACCAAGCTGAATGGCATGGTGTACTGTGTAAGGTGTGTGGGACGT  
 GGCTCAGGCTTCCAATGAGGTGCACGCCTGTGAGGGCTGCAAGGGCTTTTTTCGCCGGAGCATCCAA  
 CAGAATATCCAGTACAAACGGTGTCTGAAAAACGAAAAGTGTCCATCGTTTCGCATCAATCGCAACCGCT  
 GCCAGCAGTGTGCTTCAAGAAGTGTCTCCGTTGGCATGTCTAGAGATGCTGTGCGTTTTGGCGCAT  
 CCCCAGAGAGAGAAGCAACGGATGCTTGGCGAGATGCAGAGCGCATGAACTTGGCCAACAACCAACTG  
 AGCAGCCTGTGCCCTCTAGAGACCTCACCTACTCCACATCCCACCTCTGGCTCCATGGGCCCTCACCTC  
 CTCTGCACCAGCCCCACCTTTGGTGGGCTTCTCTCAGTTCCACAACAGCTGACACCACCCAGGTC  
 TCCCAGCCCTGAGCCCACCATGGAGGATGTGATATCCCAGGTGCCCCGGGCCATCGAGAAATCTTACC  
 TATGCCCATGACAAGTTAGGCACCTCACCTGGTAACTTCAATGCCAATCATGCATCAGGTAGCCCTTCAG  
 CTACAACCTCCACACCGCTGGGAGAGTCAAGGATGCCCGTCTGCCCCAACGACAACAACCTTTTGGCGGC  
 TCAGCGTCATAATGAAGCGCTGAATGGTCTACGCCAGGGCCCTTCTCCTACCCGCTACCTGGCCTTCT  
 GGCCCCACCCACCACAGCTGCCACCAACCTAACAGCAATGGGCACCGTCTGTGCCACCCACGATATT  
 CGGCCCCAGAAGGGGAGGCACCTGCCAACAGTCTACGGCAAGGCAACACCAAGAATGTTCTGCTGGCATG  
 TCCCATGAACATGTATCCCCATGGACGCAGCGCCGGACTGTGCAGGAGATCTGGGAAGACTTCTCTATG  
 AGCTTCACGCCTGCCGTTCCGGAGGTGGTAGAGTTTGCCAAACACATCCCAGGCTTCCGTGACCTTTCTC  
 AGCAGACCAGGTGACCCTGCTTAAGGCTGGCACCTTTGAGGTGCTGATGGTGCCTTTGCATCGTTGTT  
 CAACGTGAAGGACCAGACAGTGTGTTCTGAGCCGCACAACCTACAGTCTGCAGGAGCTCGGTGCCATG  
 GGCATGGGCGACCTGCTCAATGCCATGTTTACTTTCAGCGAGAAGCTCAACTCCCTGGCACTTACCAGG  
 AGGAGCTGGGCTATTACCCGCGGTGGTGTCTCTGCAGACCGCTCGGGAATGGAGAATTCGCTTTC  
 GGTGGAGCAGCTCCAGGAGACGTGCTGCGGGCTCTTCCGGCTCTGGTGTGAAGAACCAGCCCTCGGAG  
 ACTTCCCGCTTACCAAGCTGCTGCTCAAGTCCCGGACCTGCGGACCCTGAACAACATGCATTCGAGAG  
 AGCTGTGCTCTCCGGGTGGACGCCAGTGACCCGCCCGCCGGCTTCTGCCGCTGCCCTTGTACA  
 GAATCGAACTCTGCACTTCTCTCTCTTACGAGACGAAAAGGAAAAGCAAACAGAAATCTATTTATAT  
 TGTATAAAATATCCAAGATGAGCCTCTGGCCCTGAGCCTTCTTGAATAACTCTTCCCCACCCC  
 CACCGCATGCTCCCATCTCCCTATTTAAACCACTCTTGTCTCTCCACCCTCTCTGGCCCTCGAT  
 TTGTTCTGTTCTGTCTCAAATCCAATAGTTTACAGCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145434

**Insert Size:** 1848 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:** [BC008989](#), [AAH08989](#)

**RefSeq Size:** 2246 bp

**RefSeq ORF:** 1848 bp

**Locus ID:** 217166

**UniProt ID:** [Q3UV55](#)

**Cytogenetics:** 11 D

**Gene Summary:** This gene encodes a transcription factor that is a member of the nuclear receptor subfamily 1. The encoded protein is a ligand-sensitive transcription factor that negatively regulates the expression of core clock proteins. In particular this protein represses the circadian clock transcription factor aryl hydrocarbon receptor nuclear translocator-like protein 1 (Arntl). This protein may also be involved in regulating genes that function in metabolic, inflammatory and cardiovascular processes. [provided by RefSeq, Feb 2014]