

## Product datasheet for **MC217437**

### **Rora (NM\_013646) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rora (NM_013646) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rora
Synonyms:	9530021D13Rik; nmf267; Nr1f1; ROR1; ROR2; ROR3; sg; staggerer; tmgc26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NM\_013646.1  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGTCAGCTCCGGCAGCCCCGACCCCGCCGCCAGCAACCGGGCAGCAGCGGCTCGGAGGCGGCCG  
 CGGGCTCCAGGGAGACCCCGCTGACCCAGGACACGGGCCCAAGAGCGAGGCACCGGGCGGGGGCGCAG  
 GCAGAGCTATGCGAGCTCCAGCCGAGGTATCTCAGTCACGAAGAAGACACACATCTCAAATTGAAATT  
 ATTCCATGCAAGATCTGTGGAGACAAATCGTCAGGAATCCATTATGGTGTATTACGTGTGAAGGCTGCA  
 AGGGCTTTTTCAGGAGAAGTCAGCAGAGCAATGCCACCTACTCTGTCTCGTCAGAAGAACTGTTTGAT  
 TGATCGGACCAGCAGAAACCGCTGCCAGCATTGTCGGCTGCAGAAATGCCTGGCCGTGGGGATGTCTCGA  
 GATGCTGTCAAGTTTGGTCGGATGTCCAAGAAGCAGAGAGACAGCTTGTACGCCGAGGTGCAGAAGCACC  
 GGATGCAGCAGCAGCAGGAGACCACCAGCAGCAGCCTGGGGAGGCGGAGCCGCTGACGCCACCTACAA  
 CATCTCAGCCAATGGGCTGACGGAATGCATGATGACCTCAGCACCTATATGGATGGGCACACCCCGAG  
 GGCAGCAAGGCCGACTCAGCCGTGAGCAGCTTCTACCTGGACATCCAGCCCTCCCAGACCAGTCGGGAT  
 TGGACATCAATGGGATCAAACCCGAACCCATATGTGACTACACACCAGCATCTGGCTTCTCCCCTACTG  
 TTCTTACCAACGGAGAGACTTCCCCAACCGTGTCCATGGCAGAAGTAGAACACCTTGCCAGAACATA  
 TCCAAATCCCACCTGGAAACCTGCCAGTACTTGCGGGAAGAGCTCCAGCAGATAACGTGGCAGACCTTCC  
 TGCAGGAGGAGATTGAAAACCTACCAGAACAAGCAGAGAGAGGTGATGTGGCAGCTGTGTGCCATCAAGT  
 TACAGAAGCTATCCAGTATGTGGTGGAGTTTGCCAAACGCATTGATGGATTTATGGAGCTGTGTCAAAT  
 GATCAAATTTGTCTTCTAAAAGCAGGCTCGCTAGAGGTGGTGTATTAGGATGTGCCGTGCCTTTGACT  
 CTCAGAACAACACCGTGTACTTTGACGGGAAGTATGCGAGCCCGATGTCTTCAAGTCCCTAGTTGTGA  
 AGACTTCATCAGCTTTGTGTTTGAATTTGGGAAGAGTTTGTGTTCTATGCACCTGACCGAAGACGAAATC  
 GCGTTATTTTCTGCATTGCTACTGATGTGAGCGGATCGCTCGTGGCTTACGAAAAAGGTAATAAGAAA  
 AGCTGCAACAGAAAATTCAGCTGGCCCTTACAGCAGTCTACAGAAGAACCACCGAGAAGATGGAATTCT  
 AACCAAGTAATATGCAAGGTGTCTACGTTAAGAGCCCTATGTGGACGACATACGAAAAGCTAATGGCA  
 TTTAAAGCAATATACCCAGACATTGTGCGACTCCATTTCTCCATTATACAAGGAATTGTTCACTTCAG  
 AATTTGAGCCAGCCATGCAAATCGATGGGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1326\\_f06.zip](https://cdn.origene.com/chromatograms/ja1326_f06.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_013646

**Insert Size:** 1572 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\\_013646.1](#), [NP\\_038674.1](#)

**RefSeq Size:** 1657 bp

**RefSeq ORF:** 1572 bp

**Locus ID:** 19883

**UniProt ID:** [P51448](#)

**Cytogenetics:** 9 37.45 cM

**Gene Summary:** The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, as well as with NM23-1, the product of a tumor metastasis suppressor candidate gene. Also, it has been shown to aid in the transcriptional regulation of some genes involved in circadian rhythm. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.