OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC227846

Rora (NM_001289916) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rora (NM_001289916) 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)

View online »

Fully Sequenced ORF:

>MC227846 representing NM_001289916
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATTTTGTGATCGCAGCGATGAAAGCTCAAATTGAAATTATTCCATGCAAGATCTGTGGAGACAAAT
CGTCAGGAATCCATTATGGTGTCATTACGTGTGAAGGCTGCAAGGGCTTTTTCAGGAGAAGTCAGCAGAG
CAATGCCACCTACTCCTGTCCTCGTCAGAAGAACTGTTTGATTGATCGGACCAGCAGAAACCGCTGCCAG
CATTGTCGGCTGCAGAAATGCCTGGCCGTGGGGATGTCTCGAGATGCTGTCAAGTTTGGTCGGATGTCCA
AGAAGCAGAGAGACAGCTTGTACGCCGAGGTGCAGAAGCACCGGATGCAGCAGCAGCAGCGAGACCACCA
GCAGCAGCCTGGGGAGGCGGAGCCGCTGACGCCCACCTACAACATCTCAGCCAATGGGCTGACGGAACTG
CATGATGACCTCAGCACCTATATGGATGGGCACACCCCCGAGGGCAGCAAGGCCGACTCAGCCGTCAGCA
GCTTCTACCTGGACATCCAGCCCTCCCCAGACCAGTCGGGATTGGACATCAATGGGATCAAACCCGAACC
CATATGTGACTACACACCAGCATCTGGCTTCTTCCCCTACTGTTCCTTCACCAACGGAGAGACTTCCCCA
ACCGTGTCCATGGCAGAACTAGAACACCTTGCCCAGAACATATCCAAATCCCACCTGGAAACCTGCCAGT
ACTTGCGGGAAGAGCTCCAGCAGATAACGTGGCAGACCTTCCTGCAGGAGGAGATTGAAAACTACCAGAA
CAAGCAGAGAGAGGTGATGTGGCAGCTGTGTGCCATCAAGATTACAGAAGCTATCCAGTATGTGGTGGAG
TTTGCCAAACGCATTGATGGATTTATGGAGCTGTGTCAAAATGATCAAATTGTGCTTCTAAAAGCAGGCT
CGCTAGAGGTGGTGTTTATTAGGATGTGCCGTGCCTTTGACTCTCAGAACAACACCGTGTACTTTGACGG
GAAGTATGCGAGCCCCGATGTCTTCAAGTCCCTAGGTTGTGAAGACTTCATCAGCTTTGTGTTTGAATTT
GGGAAGAGTTTGTGTTCTATGCACCTGACCGAAGACGAAATCGCGTTATTTTCTGCATTCGTACTGATGT
CAGCGGATCGCTCGTGGCTTCAGGAAAAGGTAAAAATAGAAAAGCTGCAACAGAAAATTCAGCTGGCCCT
TCAGCACGTCCTACAGAAGAACCACCGAGAAGATGGAATTCTAACCAAGCTAATATGCAAGGTGTCTACG
TTAAGAGCCCTATGTGGACGACATACGGAAAAGCTAATGGCATTTAAAGCAATATACCCAGACATTGTGC
GACTCCATTTTCCTCCATTATACAAGGAATTGTTCACTTCAGAATTTGAGCCAGCCATGCAAATCGATGG
GTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3095_d02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001289916

Insert Size: 1404 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001289916.1, NP_001276845.1
RefSeq Size:	10869 bp
RefSeq ORF:	1404 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 (2) has an alternate exon in place of the first two exons compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to 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.