

Product datasheet for RN204629

Rora (NM_001106834) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rora (NM_001106834) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Rora
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN204629 representing NM_001106834
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCAGCTCCGGCAGCCCCGACCCCGCCGCCAGCGAGCCGGGCAGCAGCGGCTCGGAGGCGGCCG
 CCGGCTCCAGGGAGACCCGTTGACCCAGGACGCGGGCCGAAGAGCGAGGCACCGGGCGCGGGGCGCAG
 GCAGAGCTATGCGAGCTCCAGCCGAGGTATCTCAGTCACGAAGAAGACACACATCTCAAATTTAAAT
 ATTCATGCAAGATCTGTGGAGACAAATCGTCAGGAATCCATTATGGTGTATTACGTGTGAAGGCTGCA
 AGGGCTTTTTTCAGGAGAAGTCAGCAGAGCAATGCCACCTACTCCTGTCTCGGCAGAAGAAGCTGTTTGT
 CGATAGGACCAGCAGAAACCGCTGCCAGCACTGCCGGCTGCAGAAGTGCCTGGCTGTGGGATGTCTCGA
 GATGCTGTCAAGTTTGGCCGGATGTCCAAGAAGCAAAGAGACAGCCTGTACGCCGAGGTGCAGAAGCACC
 GGATGCAGCAGCAGCAGCAGACCACCAGCAGCAACCTGGGGAGGCTGAGCCGCTGACGCCACCTACAA
 CATCTCAGCCAATGGGCTGACGGAAGTGCATGATGACCTCAGCACCTACATGGACGGCCACACCCCGAG
 GGCAGCAAGGCCGACTCAGCTGTCAGCAGCTTCTACCTGGACATCCAGCCCTCCCAGACCAGTCGGGAC
 TGGACATCAATGGGATCAAACCCGAACCCATATGTGACTACACACCAGCATCTGGCTTCTCCCCTACTG
 TTCCTTACCAACGGAGAGACTTCCCAACCGTGTCCATGGCGGAAGTAGCAGAGAGAGGTGATGTGGCA
 GTTGTGTCTATCAAGATTACAGAAGCTATCCAGTATGTGGTGGAGTTCGCCAAACGCATCGACGGGTTT
 ATGGAGCTGTGTCAAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2562_b01.zip
 Restriction Sites: SgfI-MluI
 ACCN: NM_001106834



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Insert Size:	930 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_001106834.1 , NP_001100304.1
RefSeq Size:	1684 bp
RefSeq ORF:	930 bp
Locus ID:	300807
Cytogenetics:	8q24
Gene Summary:	<p>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. [provided by RefSeq, Feb 2014]</p>