

Product datasheet for **RR204629**

Rora (NM_001106834) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rora (NM_001106834) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rora
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204629 representing NM_001106834 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCAGCTCCGGCAGCCCCGACCCCGCCGCCAGCGAGCCGGGCAGCAGCGGCTCGGAGGCGGCCG
CCGGCTCCAGGGAGACCCGTTGACCCAGGACGCGGGCCGAAGAGCGAGGCACCGGGCGGGGCGCAG
GCAGAGCTATGCGAGCTCCAGCCGAGGTATCTCAGTCACGAAGAAGACACACATCTCAAATTGAAATT
ATTCCATGCAAGATCTGTGGAGACAAATCGTCAGGAATCCATTATGGTGTATTACGTGTGAAGGCTGCA
AGGGCTTTTTTCAGGAGAAGTCAGCAGAGCAATGCCACCTACTCCTGTCCCGCAGAAGAAGCTGTTTGT
CGATAGGACCAGCAGAAACCGCTGCCAGCACTGCCGGCTGCAGAAGTGCCTGGCTGTGGGATGTCTCGA
GATGCTGTCAAGTTTGGCCGGATGTCCAAGAAGCAAAGAGACAGCCTGTACGCCGAGGTGCAGAAGCACC
GGATGCAGCAGCAGCAGCAGACCACCAGCAGCAACCTGGGAGGCTGAGCCGCTGACGCCACCTACAA
CATCTCAGCCAATGGGCTGACGGAATGCATGATGACCTCAGCACCTACATGGACGGCCACACCCCGAG
GGCAGCAAGGCCGACTCAGCTGTCAGCAGCTTCTACCTGGACATCCAGCCCTCCCAGACCAGTCGGGAC
TGGACATCAATGGGATCAAACCCGAACCCATATGTGACTACACACCAGCATCTGGCTTCTCCCCTACTG
TTCCTTACCAACGGAGAGACTTCCCAACCGTGTCCATGGCGGAAGTAGCAGAGAGAGGTGATGTGGCA
GTTGTGTGCTATCAAGATTACAGAAGCTATCCAGTATGTGGTGGAGTTCGCCAAACGCATCGACGGGTTT
ATGGAGCTGTGTCAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR204629 representing NM_001106834
Red=Cloning site Green=Tags(s)

MESAPAAPDPAASEPGSSGSEAAAGSRETPLTQDAGRKSEAPGAGRRQSYASSSRGISVTKKHTTSQIEI
 IPCKICGDKSSGIHYGVITCEGCKGFFRRSQSNATYSCPRQKNCLIDRTSRNRCQHCLRLQKCLAVGMSR
 DAVKFGRMSSKKQRDSL YAEVQKHRMQQQQRDHQQQPGEAEPLTPTYNISANGLTELHDDLSTYMDGHTPE
 GSKADSAVSSFYLDIQSPDQSGLDINGIKPEPICDYTPASGFFPYCSFTNGETSPTVSMAEALERGDVA
 VVCYQDYRSYPVCGGVRQTHRRVYGAVSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1911_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001106834

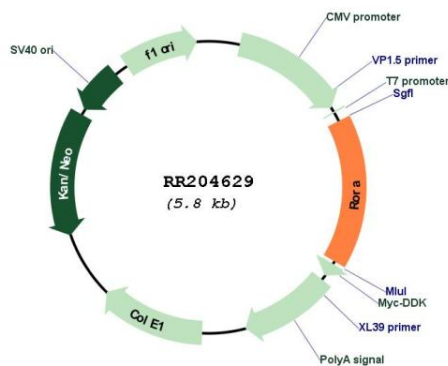
ORF Size: 927 bp

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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_001106834.1, NP_001100304.1</u>
RefSeq Size:	1684 bp
RefSeq ORF:	930 bp
Locus ID:	300807
Cytogenetics:	8q24
MW:	34.1 kDa
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. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RR204629