

## Product datasheet for **MG207347**

### Rora (BC003757) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rora (BC003757) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rora
Synonyms:	ROR1, ROR2, ROR3, Nr1f1, staggerer
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207347 representing BC003757  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAGCTCAAATTGAAATTATCCATGCAAGATCTGTGGAGACAAATCGTCAGGAATCCATTATGGTG  
 TCATTACGTGTGAAGGCTGCAAGGGCTTTTTCAGGAGAAGTCAGCAGAGCAATGCCACCTACTCCTGTCC  
 TCGTCAGAAGAACTGTTTGATTGATCGGACCAGCAGAAACCGCTGCCAGCATTGTCGGCTGCAGAAATGC  
 CTGGCCGTGGGGATGTCTCGAGATGCTGTCAAGTTTGGTCGGATGTCCAAGAAGCAGAGAGACAGCTTGT  
 ACGCCGAGGTACAGAAGCACCGGATGCAGCAGCAGCAGCAGACCACCAGCAGCAGCCTGGGAGGCGGA  
 GCCGCTGACGCCACCTACAACATCTCAGCCAATGGGCTGACGGAATGCATGATGACCTCAGCACCTAT  
 ATGGATGGGCACACCCCGAGGGCAGCAAGGCCGACTCAGCCGTCAGCAGCTTCTACCTGGACATCCAGC  
 CCTCCCAGACCAGTCGGGATTGGACATCAATGGGATCAAACCCGAACCCATATGTGACTACACACCAGC  
 ATCTGGCTTCTTCCCTACTGTTCTTCAACAACGGAGAGACTTCCCAACCGTGTCCATGGCAGAACTA  
 GAACACCTTGCCAGAACATATCCAATCCCACCTGAAAACCTGCCAGTACTTGGCGGAAGAGCTCCAGC  
 AGATAACGTGGCAGACCTTCTGCAAGGAGGAGATTGAAAACCTACCAGAACAAGCAGAGAGAGGTGATGTG  
 GCAGCTGTGTGCCATCAAGATTACAGAAGCTATCCAGTATGTGGTGGAGTTTGCCAAACGCATTGATGGA  
 TTTATGGAGCTGTGTCAAATGATCAAATTGTGCTTCTAAAAGCAGGCTCGTAGAGGTGGTGTATTATTA  
 GGATGTGCCGTGCCTTTGACTCTCAGAACAACACCGTGTACTTTGACGGGAAGTATGCGAGCCCCGATGT  
 CTTCAAGTCCCTAGTTGTGAAGACTTCATCAGCTTTGTGTTGAATTTGGGAAGAGTTTGTGTTCTATG  
 CACCTGACCGAAGACGAAATCGCGTTATTTCTGCATTCTGACTGATGTCAGCGGATCGCTCGTGGCTTC  
 AGGAAAAGGTAAAAATAGAAAAGCTGCAACAGAAAATTCAGCTGGCCCTCAGCAGCTCCTACAGAAGAA  
 CCACCGAGAAGATGGAATTCTAACCAAGCTAATATGCAAGGTGTCTACGTTAAGAGCCCTATGTGGACGA  
 CATAACGAAAAGCTAATGGCATTAAAGCAATATACCCAGACATTGTGCGACTCCATTTTCTCCATTAT  
 ACAAGGAATTGTTCACTTCAGAATTTGAGCCAGCCATGCAAAATCGATGGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207347 representing BC003757  
 Red=Cloning site Green=Tags(s)

MKAQIEIIPCKICGDKSSGIHYGVITCEGCKGFFRRSQSNATYSCPRQKNCLIDRTSRNRCQHCLQKC  
 LAVGMSRDAVKFGRMSKKQRDSL YAEVQKHRMQQQQRDHQQQPGEAEPL TPTYNISANGL TELHDDLSTY  
 MDGHTPEGSKADSAVSSFYLDIQSPDQSLDINGIKPEPICDYTPASGFFPYCSFTNGETSPVSMAL  
 EHLAQNISKSHLETQYLREELQQITWQTFLQEEIENYQNKQREVMWQLCAIKITEAIQYVVEFAKRIDG  
 FMELCQNDQIVLLKAGSLEVVFIRMCRAFDSQNTVYFDGKYASPDVFKSLGCEDFISFVFEFGKSLCSM  
 HLTEDIEIALFSAFVLMASDRSWLQEKVIEKLLQKIQQLALQHVLLQKNHREDGILTKLICKVSTLRALCGR  
 HTEKLMAFKAIYPDIVRLHFPPLYKELFTSEFEPAMQIDG

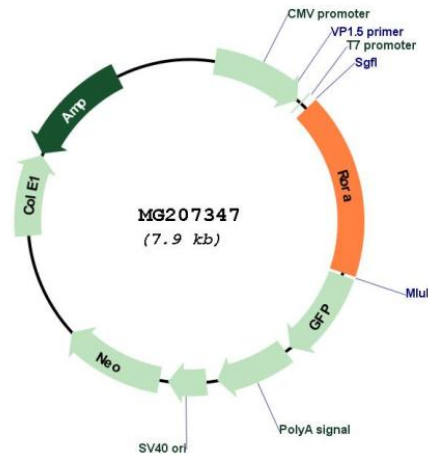
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**Plasmid Map:**


ACCN: BC003757

ORF Size: 1380 bp

<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC003757</a> , <a href="#">AAH03757</a>
<b>RefSeq Size:</b>	2381 bp
<b>RefSeq ORF:</b>	1382 bp
<b>Locus ID:</b>	19883
<b>Cytogenetics:</b>	9 37.45 cM
<b>Gene Summary:</b>	<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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]</p>