

Product datasheet for **MC218101**

Rora (BC003757) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rora (BC003757) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rora
Synonyms:	ROR1, ROR2, ROR3, Nr1f1, staggerer
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC003757
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGCTCAAATTGAAATTATCCATGCAAGATCTGTGGAGACAAATCGTCAGGAATCCATTATGGTG
 TCATTACGTGTGAAGGCTGCAAGGGCTTTTTCAGGAGAAGTCAGCAGAGCAATGCCACCTACTCCTGTCC
 TCGTCAGAAGAACTGTTTGATTGATCGGACCAGCAGAAACCGCTGCCAGCATTGTCGGCTGCAGAAATGC
 CTGGCCGTGGGGATGTCTCGAGATGCTGTCAAGTTTGGTCGGATGTCCAAGAAGCAGAGAGACAGCTTGT
 ACGCCGAGGTACAGAAGCACCGGATGCAGCAGCAGCAGCAGACCACCAGCAGCAGCCTGGGAGGGCGGA
 GCCGCTGACGCCACCTACAACATCTCAGCCAATGGGCTGACGGAATGCATGATGACCTCAGCACCTAT
 ATGGATGGGCACACCCCGAGGGCAGCAAGGCCGACTCAGCCGTCAGCAGCTTCTACCTGGACATCCAGC
 CCTCCCAGACCAGTCGGGATTGGACATCAATGGGATCAAACCCGAACCCATATGTGACTACACACCAGC
 ATCTGGCTTCTTCCCCTACTGTTCTTACCAACGGAGAGACTTCCCAACCGTGTCCATGGCAGAATA
 GAACACCTTGCCAGAACATATCCAATCCCACCTGGAACCTGCCAGTACTTGGCGGAAGAGCTCCAGC
 AGATAACGTGGCAGACCTTCTGCAAGGAGGAGATTGAAAACCTACCAGAACAAGCAGAGAGAGGTGATGTG
 GCAGCTGTGTGCCATCAAGATTACAGAAGCTATCCAGTATGTGGTGGAGTTTGCCAAACGCATTGATGGA
 TTTATGGAGCTGTGTCAAATGATCAAATTGTGCTTCTAAAAGCAGGCTCGTAGAGGTGGTGTATTATTA
 GGATGTGCCGTGCCTTTGACTCTCAGAACAACACCGTGTACTTTGACGGGAAGTATGCGAGCCCCGATGT
 CTTCAAGTCCCTAGTTGTGAAGACTTCATCAGCTTTGTGTTGAATTTGGGAAGAGTTTGTGTTCTATG
 CACCTGACCGAAGACGAAATCGCGTTATTTTCTGCATTCTGACTGATGTCAGCGGATCGCTCGTGGCTTC
 AGGAAAAGTAAAAATAGAAAAGCTGCAACAGAAAATTCAGCTGGCCCTCAGCACGCTACAGAAGAA
 CCACCGAAGATGGAATTCTAACCAAGCTAATATGCAAGGTGTCTACGTTAAGAGCCCTATGTGGACGA
 CATAACGAAAAGCTAATGGCATTAAAGCAATATACCCAGACATTGTGCGACTCCATTTTCTCCATTAT
 ACAAGGAATTGTTCACTTCAGAATTTGAGCCAGCCATGCAAAATCGATGGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC003757

Insert Size: 1383 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: [BC003757](#), [AAH03757](#)

RefSeq Size: 2381 bp

RefSeq ORF: 1382 bp

Locus ID: 19883

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]