

## Product datasheet for **SC115780**

### ROR beta (RORB) (NM\_006914) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ROR beta (RORB) (NM_006914) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROR beta
Synonyms:	bA133M9.1; EIG15; NR1F2; ROR-BETA; RZR-BETA; RZRB
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_006914 edited  
 ATGCGAGCACAAATTGAAGTGATACCATGCAAAATTTGTGGCGATAAGTCCTCTGGGATC  
 CACTACGGAGTCATCACATGTGAAGGCTGCAAGGATTCTTTAGGAGAGCCAGCAGAAC  
 AATGCTTCTTATTCTGCCCCAAGGCAGAGAACTGTTTAATTGACAGAACGAACAGAAAC  
 CGTTGCCAACACTGCCGACTGCAGAAAGTGTCTTGCCCTAGGAATGTCAAGAGATGCTGTG  
 AAGTTTGGGAGGATGTCCAAGAAGCAAAGGGACAGCCTGTATGCTGAGGTGCAGAAGCAC  
 CAGCAGCGGCTGCAGGAACAGCGGCAGCAGCAGAGTGGGGAGGCAGAAGCCCTTGCCAGG  
 GTGTACAGCAGCAGCATTAGCAACGGCCTGAGCAACCTGAACAACGAGACCAGCGGCACT  
 TATGCCAACGGGCAGTCATTGACCTGCCAAGTCTGAGGGTTATTACAACGTCGATTCC  
 GGTCCAGCCGTCCCCTGATCAGTCAGGACTTGACATGACTGGAATCAAACAGATAAAGCAA  
 GAACCTATCTATGACCTCACATCCGTACCCAATTGTTTACCTATAGCTCTTTCAACAAT  
 GGGCAGTTAGCACCAGGATAACCATGACTGAAATCGACCGAATTGCACAGAACATCATT  
 AAGTCCCATTTGGAGACATGTCAATACCCATGGAAGAGCTGCACCAGCTGGCGTGGCAG  
 ACCCACCTATGAAGAAATTAAGCATATCAAAGCAAGTCCAGGGAAAGCACTGTGGCAA  
 CAATGTGCCATCCAGATCACTCACGCCATCCAATACGTGGTGGAGTTTGCAAAGCGGATA  
 ACAGGCTTCATGGAGCTCTGTCAAAATGATCAAATTTCTACTTCTGAAGTCAGGTTGCTTG  
 GAAGTGGTTTTAGTGAGAATGTGCCGTGCCTTCAACCCATTAAACAACACTGTTCTGTTT  
 GAAGCAATTTGACTTTGCAAAGAATTTGTGTTCTTGCAGCTGACCGAGGAGAGATCGCT  
 TTGTTCTCATCTGCTGTTCTGATATCTCCAGACCGAGCCTGGCTTATAGAACCAAGGAAA  
 GTCCAGAAGCTTCAGGAAAAATTTATTTTGCACCTTCAACATGTGATTCAGAAGAATCAC  
 CTGGATGATGAGACCTTGCCAAAGTTAATAGCCAAGATACCAACCATCACGGCAGTTTGC  
 AACTTGACGGGGAGAAGCTGCAGGTATTTAAGCAATCTCATCCAGAGATAGTGAATACA  
 CTGTTTCTCCGTTATACAAGGAGCTCTTAATCTGACTGTGCCACCGGCTGCAATGA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006914 unedited  
 AGGCGGCCGCAATTCGCACGAGAACAGTGAAAATTCACATTGTGGATCCGCTAACAGGC  
 ACAGATGTCATGTNGAAAACGCACATGCTCTGCCATCCACACCGCCTTTCTTTCTTTCT  
 TTCTGTTTCCTTTTTTCCCCCTTGTTTCCTTCTCCCTCTTCTTTGTAACAAACAAACCAC  
 CACCAACTCCTCCTGCTGCTGCCCTTCTCCTCCTCCTCAGTCCAAGTGATCACAAA  
 GAAAATCTTCTGAGCCGGAGGCGGTGGCATTTTTTAAAAAGCAAGCACATTGGAGAGAAA  
 GAAAAAGAAAAACAAAACAAAACAAAACCCAGGCACCAGACAGCCAGAACATTTTTTTTT  
 TCACCCTTCTGAAAACAAAACAAAACAAAACAAATCATCAAAACAGTACCACCAACAT  
 CAAAACGTGTTAACATAGCGGCGGCGGCGCAAACGTACCCCTGCAGCCACGGCGTCCGCC  
 TAAAGGGATGGTTTTCTCGGCAGAGCAGCTCTTCGCCGACCACCTTCTTCACTCGTGCTG  
 AGCGGGATTTTTGGGCTCTCCGGGTTCCGGCTGGGAGCAGCTTCATGACTACGCGGAGC  
 GGGAGAGCGGCCACACCATGCGAGCACAATTGAAGTGATACCATGCANAATTTGTGGCG  
 ATAAGTCTCTGGGATCCACTACGGAGTCATCACATGTGAAGGCTGCAAGGGATTCTTTA  
 NGANGAGCCAGCAGAACAATGCTTCTTATTTCTGCCAAGCAGAGAAANCTGTTAATTGA  
 CAGAACGAACAGAACCCGTGNCACACTGCCACTGCAAAAGTGCTTGCCCTAGATGTCAG  
 AGATGCTTTGAGTTTGAAGATGTCAGAGCAAGGACAGNCTGATGCTGAGTGCAAAACA  
 CCAACACGCTTGAGGACAAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006914 unedited  
 GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAGTTTTATTTGTATCAGAAA  
 ATAACAGAGGTATAGGCCTCCAGGACACAGGCAGAACAAATTTCTGGAATATATGCTTT  
 TCTTATGATTAATTTTATTGGTGAGCAGGTGGAGAAGTGAGAATTTGTACAAGGAAGCCT  
 AAAATCTCTGATCCTAATGTCACAGTTGTATTCTTTATTTCTAAAAGTTGCTAAAACAAT  
 AATTCTAGGGTAAATGGATGATGTAAGTAAACTTACAGGAATTAGTTTTGGCTTTGG  
 GGTACATTAGTCCCTAGAATAACACAGATCTTTTTTTTTTCTAGTCTGTCAAGCTTTTGC  
 TACATCTTTATATTATAGCATTTTATACTATGCCCTCCCCTTTATTGCCCTTTTCTAA  
 CAAATACCTTAAAGAACGGAATATANAGAATTACTTCTTCACTCTGGGTATTCTCTTTCT  
 ACCTTTTCTTGCCAAACATGGGGAGAGAAAACATCGCTACCTCAAATGGCCTCGCTGCCT  
 GGGTTTTGCATTATCCTTTTACTTTCTAGAAAAAATCGCTGCCGCTCCTCCACAGATT  
 GTTTTTTTATTCGAAACCATCACCCCGATCCAACCTGCCCCCTCCAATTCTAACCA  
 AAACACCGTCTATGCTTCTGCGAAACATCCAACATTCTACCGTCCCCTCCAACAGTT  
 GGCCCTCGAACGCCTTTTTTCCGCCCCCTGCAACAGGACATGGCCTTACCCTTCCGCC  
 TTCCCAATTGAACTCTTTGTTACCTCTGTCTGCCTTTACCCAAC TAGCACTCGTACTCA  
 TGGGCCCATCCTTCCCTTCCCTTTTGGCCGATTCTCTACCTCTCGCTCTTTCGCCCTC  
 CCCCTTACCACATTTTCCCTCTATCACCTTTTTTCCGTTTCGCGTGCATCCCTCAAC  
 CCAATGCCACTTTGCTGCGCTGCTCGCCCCATTGTCATTTCCGTTTCATCTCTCCGC  
 CTTTCTTCTCTCN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006914

**Insert Size:**

1380 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:** [NM\\_006914.3](#), [NP\\_008845.2](#)

**RefSeq Size:** 3604 bp

**RefSeq ORF:** 1380 bp

**Locus ID:** 6096

**Cytogenetics:** 9q21.13

**Domains:** HOLI, zf-C4

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Gene Summary:** The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It is a DNA-binding protein that 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, and to help regulate the expression of some genes involved in circadian rhythm. [provided by RefSeq, Feb 2014]