

## Product datasheet for **SC123126**

### ROR alpha (RORA) (NM\_134261) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ROR alpha (RORA) (NM_134261) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROR alpha
Synonyms:	IDDECA; NR1F1; ROR1; ROR2; ROR3; RZR-ALPHA; RZRA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_134261 edited  
 GAAAAACATGGAGTCAGCTCCGGCAGCCCCGACCCCGCCGAGCCAGGCAGCA  
 GCGGCGGGACGCGGCGCCGGCTCCAGGGAGACCCCGCTGAACCAGGAATCCGCCCGCA  
 AGAGCGAGCCGCTGCCCGGTGCGCAGACAGAGCTATTCCAGCACCAGCAGAGGTATCT  
 CAGTAACGAAGAAGACACATACATCTCAAATTGAAATTATCCATGCAAGATCTGTGGAG  
 ACAAAATCATCAGGAATCCATTATGGTGTATTACATGTGAAGGCTGCAAGGGCTTTTCA  
 GGAGAAGTCAGCAAAGCAATGCCACCTACTCCTGTCTCGTCAGAAAGAACTGTTTGATTG  
 ATCGAACCAAGTAGAAACCGCTGCCAACACTGTGATTACAGAAATGCCTTGCCGTAGGGA  
 TGTCTCGAGATGCTGTAATAATTTGGCCGAATGTCAAAAAAGCAGAGAGACAGCTTGATG  
 CAGAAGTACAGAAACACCGGATGCAGCAGCAGCAGCGGACCACCAGCAGCAGCCTGGAG  
 AGGCTGAGCCGCTGACGCCACCTACAACATCTCGGCAACGGGCTGACGGAACCTCACG  
 ACGACCTCAGTAACACTATTGACGGGCACACCCCTGAGGGGAGTAAGGCAGACTCCGCCG  
 TCAGCAGCTTCTACCTGGACATACAGCCTTCCCCAGACCAGTCAGGTCTTGATATCAATG  
 GAATCAAACCAGAACCAATATGTGACTACACACCAGCATCAGGCTTCTTCCCTACTGTT  
 CGTTCACCAACGGCGAGACTTCCCAACTGTGTCCATGGCAGAATTAGAACACCTTGCAC  
 AGAATATATCTAAATCGCATCTGGAAACCTGCCAATACTTGAGAGAAGAGCTCCAGCAGA  
 TAACGTGGCAGACCTTTTACAGGAAGAAATTGAGAACTATCAAAAACAGCAGCGGGAGG  
 TGATGTGGCAATTGTGTGCCATCAAAATTACAGAAGCTATACAGTATGTGGTGGAGTTTG  
 CCAAACGCATTGATGGATTTATGGAAGTGTGCAAAATGATCAAAATTGTGCTTCTAAAAG  
 CAGGTTCTCTAGAGGTGGTGTATCAGAATGTCCGTCGCTTTGACTCTCAGAACAAACA  
 CCGTGTACTTTGATGGGAAGTATGCCAGCCCCGACGTCTTCAAATCCTTAGGTTGTGAAG  
 ACTTTATTAGCTTTGTGTTTGAATTTGAAAGAGTTTATGTTCTATGCACCTGACTGAAG  
 ATGAAATTGCATTATTTTCTGCATTTGTACTGATGTCAGCAGATCGCTCATGGCTGCAAG  
 AAAAGGTAAAAATTGAAAACTGCAACAGAAAAATTCAGCTAGCTTTCAACACGTCTAC  
 AGAAGAATCACCGAGAAGATGGAATACTAACAAAGTAAATATGCAAGGTGTCTACATTA  
 GAGCCTTATGTGGACGACATACAGAAAAGCTAATGGCATTAAAGCAATATACCCAGACA  
 TTGTGCGACTTCATTTTCTCCATTATACAAGGAGTTGTTCACTTCAGAAATTTGAGCCAG  
 CAATGCAAATGATGGTAAATGTTATCACCTAAGCACTTCTAGAATGTCTGAAGTACAA  
 ACATGAAAAACAAACAAAAAATTAACCGAGACACTTTATATGGCCCTGCACAGACCTGG  
 AGCGCCACACACTGCACATCTTTTGGTGTATCGGGTCAAGGAAAGGGGAAACATGA  
 AAACAAATAAAAGTTGAACTTGTTTTCTCATGAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_134261 unedited  
 NNNNGGTTGAGATTTGTAACGACTTATATAGGCGGCGCGCAATTCGCACGAGGGCAA  
 AAACATGGAGTCAGCTCCGGCAGCCCCGACCCCGCCGAGCCAGGCAGCAGCAGCGG  
 CGCGGACGCGGCGCGGCTCCAGGGAGACCCCGCTGAACCAGGAATCCGCCCGCAAGAG  
 CGAGCCGCTGCCCGGTGCGCAGACAGAGCTATTCCAGCACCAGCAGAGGTATCTCAGT  
 AACGAAGAAGACACATACATCTCAAATTGAAATTATCCATGCAAGATCTGTGGAGACAA  
 ATCATCAGGAATCCATTATGGTGTATTACATGTGAAGGCTGCAAGGGCTTTTTCAGGAG  
 AAGTCAGCAAAGCAATGCCACCTACTCCTGTCTCGTCAGAAAGAACTGTTTGATTGATCG  
 AACCAAGTAGAACCGCTGCCAACACTGTCGATTACAGAAATGCCTTGCCGTAGGGATGTC  
 TCGAGATGCTGTAAAATTTGGCCGAATGTCAAAAAAGCAGAGAGACAGCTTGATGCAGA  
 AGTACAGAAACACCGGATGCAGCAGCAGCAGCGGACCACCAGCAGCAGCCTGGAGAGGC  
 TGAGCCGCTGACGCCACCTACAACATCTCGGCAACGGGCTGACGGAACCTCACGACGA  
 CCTCAGTAACTACATTGACGGGCACACCCCTGAGGGGAGTAAGGCAGACTCCGCCGTCAG  
 CAGCTTCTACCTGGACATACAGCCTTCCCCAGACCAGTCAGGTCTTGATATCAATGGAAT  
 CAAACCAGAACCAATATGTGACTACACACCAGCATCAGGCTTCTTCCNTACTGGTCTGTT  
 CACCAACGGCGAGACTTCCNCACTGTGTCCATGGCAGAATAGNACACCTTGCACAGAATA  
 TATCTAAATCGCATCA

**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_134261
<b>Insert Size:</b>	1816 bp
<b>OTI Disclaimer:</b>	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).
<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="#">NM_134261.1</a> , <a href="#">NP_599023.1</a>
<b>RefSeq Size:</b>	1847 bp
<b>RefSeq ORF:</b>	1572 bp
<b>Locus ID:</b>	6095
<b>UniProt ID:</b>	<a href="#">P35398</a>
<b>Cytogenetics:</b>	15q22.2
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<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. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (1), also called RORalpha1, utilizes a different 5' exon than the other variants and encodes isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>