

Product datasheet for **SC305981**

ROR alpha (RORA) (NM_134262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROR alpha (RORA) (NM_134262) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROR alpha
Synonyms:	IDDECA; NR1F1; ROR1; ROR2; ROR3; RZR-ALPHA; RZRA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_134262 edited
GCTTAAATGATGATTTTTGTGATCGCAGCGATGAAAGCTCAAATTGAAATTATTCATCG
AAGATCTGTGGAGACAAATCATCAGGAATCCATTATGGTGTCTTACACGTGAAGGCTGC
AAGGGCTTTTTTCAGGAGAAGTCAGCAAAGCAATGCCACCTACTCCTGTCCCTCGTCAGAAG
AACTGTTTGATTGATCGAACAGTAGAAACCGCTGCCAACACTGTCGATTACAGAAATGC
CTTGCCGTGGGATGTCTCGAGATGCTGTAAAATTTGGCCGAATGTCAAAAAAGCAGAGA
GACAGCTTGATGCAGAAGTACAGAAACACCGGATGCAGCAGCAGCAGCGCGACCACCAG
CAGCAGCTGGAGAGGCTGAGCCGCTGACGCCACCTACAACATCTCGGCCAACGGGCTG
ACGGAACCTCACGACGACCTCAGTAACTACATTGACGGGCACACCCCTGAAGGGAGTAAG
GCAGACTCCGCCGTCAGCAGCTTCTACCTGGACATACAGCCTTCCCCAGACCAGTCAGGT
CTTGATATCAATGGAATCAAACAGAACCAATATGTGACTACACACCAGCATCAGGCTTC
TTTCCCTACTGTTTCGTTACCAACGGCGAGACTTCCCAACTGTGTCCATGGCAGAATTA
GAACACCTTGCACAGAATATATCTAAATCGCATCTGGAACCTGCCAATACTTGAGAGAA
GAGCTCCAGCAGATAACGTGGCAGACCTTTTTACAGGAAGAAATTGAGAACTATCAAAAC
AAGCAGCGGGAGGTGATGTGGCAATTGTGTGCCATCAAAATTACAGAAGCTATACAGTAT
GTGGTGGAGTTTGCCAAACGCATTGATGGATTTATGGAAGTGTGTCAAAATGATCAAAAT
GTGCTTCTAAAAGCAGGTTCTCTAGAGGTGGTGTATCAGAATGTGCCGTGCCTTTGAC
TCTCAGAAACACCCGTGACTTTGATGGGAAGTATGCCAGCCCCGACGTCTTCAGATCC
TTAGTTGTGAAGACTTTATTAGCTTTGTGTTTGAATTTGAAAGAGTTTATGTTCTATG
CACCTGACTGAAGATGAAGTTGCATTATTTCTGCATTTGACTGATGTACAGCAGATCGC
TCATGGCTGCAAGAAAAGTAAAATTTGAAAACCTGCAACAGAAAATTCAGCTAGCTCTT
CAACACGTCTACAGAAGAATCACCGAGAAGATGGAATACTAACAAGTTAATATGCAAG
GTGTCTACATTAAGAGCCTTATGTGGACGACATACAGAAAAGCTAATGGCATTAAAGCA
ATATAACCAGACATTGTGCGACTTCATTTTCTCCATTATACAAGGAGTTGTTCACTTCA
GAATTTGAGCCAGCAATGCAAAATGATGGGTAATGTTATCACCTAAGCACTTCTAGAAT
GTCTGAAGTACAAACATGAAAAACAAAATAAACCAGACACTTTATATGGCCC
TGCACA



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Restriction Sites:	Please inquire
ACCN:	NM_134262
Insert Size:	1500 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and a few SNPs were found in this clone.
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_134262.1</u> , <u>NP_599024.1</u>
RefSeq Size:	1687 bp
RefSeq ORF:	1407 bp
Locus ID:	6095
UniProt ID:	<u>P35398</u>
Cytogenetics:	15q22.2
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Gene Summary:	<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 (4), also called RZR-alpha, contains a different 5' sequence as compared to variant 1. As a result, variant 4 encodes isoform d, whose 11 N-terminal aa differ from the 66 N-terminal aa of isoform a encoded by variant 1. 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>