

## Product datasheet for SC335633

### Retinoid X Receptor alpha (RXRA) (NM\_001291921) Human Untagged Clone

#### Product data:

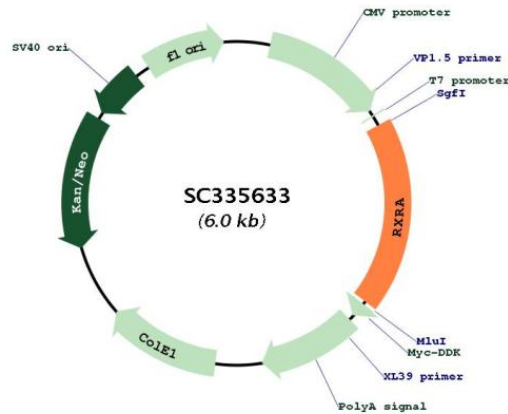
Product Type:	Expression Plasmids
Product Name:	Retinoid X Receptor alpha (RXRA) (NM_001291921) Human Untagged Clone
Tag:	Tag Free
Symbol:	RXRA
Synonyms:	NR2B1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335633 representing NM_001291921. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACCCCGTCAGCAGCAGCGAGGACATCAAGCCCCCTGGGCCTCAATGGCGTCTCAAGGTCCCC
GCCACCCTCAGGAAACATGGCTTCTTCAACAGCACATCTGCCCATCTGCGGGGACCGCTCTCA
GGCAAGCACTATGGAGTGTACAGCTGCGAGGGGTGCAAGGGCTTCTTCAAGCGGACGGTGCAGGAC
CTGACCTACACCTGCCGCGACAACAAGGACTGCCTGATTGACAAGCGGCAGCGGAACCGGTGCCAGTAC
TGCCGCTACCAGAAGTGCCTGGCCATGGGCATGAAGCGGAAGCCGTGCAGGAGGAGCGGCAGCGTGGC
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CTGGAGGCTGAGCTGGCCGTGGAGCCCAAGACCGAGACCTACGTGGAGGCAACATGGGGCTGAACCCC
AGCTCGCCGAACGACCCTGTCAACAACATTTGCCAAGCAGCCGACAAACAGCTTTTACCCTGGTGGAG
TGGGCCAAGCGGATCCCACACTTCTCAGAGCTGCCCTGGACGACCAGGTATCCTGCTGCGGGCAGGC
TGAATGAGTGTCTATCGCCTCCTTCTCCACCCTCCATCGCCGTGAAGGACGGGATCCTCCTGGCC
ACGGGCTGCACGTCCACCGAACAGCGCCACAGCGCAGGGGTGGGCGCCATCTTTGACAGGGTGTG
ACGGAGCTTGTGTCCAAGATGCGGGACATGCAGATGGACAAGACGGAGCTGGGCTGCCTGCGGCCATC
GTCCTCTTTAACCTGACTCCAAGGGCTCTCGAACCCGGCCGAGGTGGAGGCGCTGAGGGAGAAGGTC
TATGCGTCTTGGAGGCTACTGCAAGCAAGTACCCAGAGCAGCGGGAAGTTGCTAAGCTCTTG
CTCGCCTGCGGCTCTGCGCTCCATCGGGCTCAAATGCCTGGAACATCTTCTTCTTCAAGCTCATC
GGGACACACCCATTGACACCTTCTTATGGAGATGCTGGAGGCGCCGACCAAATGACTTAG
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001291921

**Insert Size:** 1098 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\\_001291921.1](#)

**RefSeq Size:** 5993 bp

**RefSeq ORF:** 1098 bp

**Locus ID:** 6256

**UniProt ID:** [P19793](#)

**Cytogenetics:** 9q34.2

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

<b>Protein Pathways:</b>	Adipocytokine signaling pathway, Non-small cell lung cancer, Pathways in cancer, PPAR signaling pathway, Small cell lung cancer, Thyroid cancer
<b>MW:</b>	41.1 kDa
<b>Gene Summary:</b>	<p>Retinoid X receptors (RXRs) and retinoic acid receptors (RARs) are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors function as transcription factors by binding as homodimers or heterodimers to specific sequences in the promoters of target genes. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' terminal exon, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>