

Product datasheet for **SC332024**

Retinoic Acid Receptor gamma (RARG) (NM_001243732) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Retinoic Acid Receptor gamma (RARG) (NM_001243732) Human Untagged Clone
Tag: Tag Free
Symbol: Retinoic Acid Receptor gamma
Synonyms: NR1B3; RARC
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332024 representing NM_001243732.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTAGCCCTCCCCTCCCCCTGCTGGAGCGGGCGCCGCCGGGGAGGAGGGGAATCGGCTGCG
GGTCCTTGGTGTTCAGCACCCAGTTTCCCTTCAAGCCGGGTCGCGATGTACACTGTATGAAACGT
TTGCCCGGGTCCGCGACGGCTGTACGGGGCGGCCGGGCCGGGGCCGGCTTGTGCGCAGAGCCACCG
GCGGCTCTGTTCGCCGACTTGAATCTTTGCCTGGCCGAACCCGCCAGCCTGCAATGGCTTCTTT
CGCCGAAGCATCCAGAAGAATGGTGTACACGTGTACCCGACAAAACTGTATCATCAACAAGGTG
ACCAGGAATCGTGCCAGTACTGCCGGTACAGAAGTGTTCGAAGTGGGCATGTCCAAGGAAGCTGTG
CGAAATGACCCGAACAAGAAGAAGAAAGAGGTGAAGGAAGAAGGGTCACCTGACAGCTATGAGCTGAGC
CCTCAGTTAGAAGAGCTCATACCAAGGTCAGCAAAGCCATCAGGAGACTTCCCTCGCTCTGCCAG
CTGGGCAAGTATACCACGAACTCCAGTGCAGACCACCGCGTGCAGCTGGATCTGGGGCTGTGGGACAAG
TTCAGTGAGCTGGCTACCAAGTGATCATCAAGATCGTGGAGTTTGCCAAGCGGTTGCCTGGCTTTACA
GGGCTCAGCATTGCTGACCAGATCACTGTCTCAAAGTGCCTGCCTAGATATCCTGATGCTGCGTATC
TGCACAAGGTACACCCAGAGCAGGACACCATGACCTTCTCCGACGGGCTGACCTGAACCGGACCCAG
ATGCACAATGCCGGCTTCGGGCCCTCACAGACCTTGTCTTTGCCTTTGCTGGGCAGCTCCTGCCCTG
GAGATGGATGACACCCGAGACAGGGCTGCTCAGCCCATCTGCCTCATCTGCGGAGACCCGATGGACCTG
GAGGAGCCCGAAAAAGTGGACAAGCTGCAGGAGCCACTGCTGGAAGCCCTGAGGCTGTACGCCCGGCGC
CGGCGGCCAGCCAGCCCTACATGTTCCCAAGGATGCTAATGAAAATCACCGACCTCCGGGGCATCAGC
ACTAAGGGAGCTGAAAGGGCCATACTCTGAAGATGGAGATTCCAGGCCCGATGCCTCCCTTAATCCGA
GAGATGCTGGAGAACCCTGAAATGTTTGAGGATGACTCCTCGCAGCCTGGTCCCCACCCCAATGCCTCT
AGCGAGGATGAGGTTCTGGGGCCAGGGCAAAGGGGCCTGAAGTCCCCAGCCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001243732
Insert Size: 1299 bp



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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:	<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:	NM_001243732.1
RefSeq Size:	2631 bp
RefSeq ORF:	1299 bp
Locus ID:	5916
UniProt ID:	P13631
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
MW:	47.9 kDa
Gene Summary:	<p>This gene encodes a retinoic acid receptor that belongs to the nuclear hormone receptor family. Retinoic acid receptors (RARs) act as ligand-dependent transcriptional regulators. When bound to ligands, RARs activate transcription by binding as heterodimers to the retinoic acid response elements (RARE) found in the promoter regions of the target genes. In their unbound form, RARs repress transcription of their target genes. RARs are involved in various biological processes, including limb bud development, skeletal growth, and matrix homeostasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' terminal exon, and lacks another coding exon compared to variant 1. This results in translation initiation from an alternate start codon, and a shorter isoform (3) with a distinct N-terminus compared to isoform 1.</p>