

Product datasheet for **SC319914**

Retinoid X Receptor gamma (RXRG) (NM_006917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Retinoid X Receptor gamma (RXRG) (NM_006917) Human Untagged Clone
Tag:	Tag Free
Symbol:	Retinoid X Receptor gamma
Synonyms:	NR2B3; RXRC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006917.3
 CTCCGATCTAGAGGCAGATTCTGACTAATCCCAGAGGGCTGGCCAGCCTGTGCTCCCC
 GGGCTGTAGGAAGCGATGACCACTCTTGTAGCCCAAGTTGAAGAAAGCCGGGCTGTGC
 CTGGGAGCCGAGAGAGGCGGTAATTTAGAAGCTGCACAGGAGAGGAACATGAAGTAC
 GAGTAAACATGTATGAAATTATTCTCACTTCATGAAGTTCCCGCAGGCTATGGAGGCT
 CCCCTGGCCACTGGCTCTACATCCATGAGCCCATCAGCAGCCTTGCCACAGGGAAGC
 CAATGGACAGCCACCCAGCTACACAGATACCCAGTGAGTGCCCCACGGACTCTGAGTG
 CAGTGGGGACCCCTCAATGCCCTGGGCTCTCCATATCGAGTCATCACCTCTGCCATGG
 GCCACCCCTCAGGAGCACTTGACGCGCCTCCAGGAATCAACTTGGTTGCCCCACCAGCT
 CTCAGCTAAATGTGGTCAACAGTGTGACAGTTTCCAGGACATCAAGCCCTTACCAGGGC
 TTCCCGGGATTGGAACATGAACTACCCATCCACCAGCCCGGATCTCTGGTTAAACACA
 TCTGTGCCATCTGTGGAGACAGATCCTCAGGAAAGCACTACGGGGTATACAGTTGTGAAG
 GCTGCAAAGGGTCTTCAAGAGGACGATAAGGAAGGACCTCATCTACACGTGTCGGGATA
 ATAAGACTGCCTCATTGACAAGCGTCAGCGCAACCGCTGCCAGTACTGTCGCTATCAGA
 AGTGCCTTGTGATGGGCATGAAGAGGGAAGCTGTGCAAGAAGAAAGACAGAGGAGCCGAG
 AGCGAGCTGAGAGTGAGGCAGAATGTGCTACCAGTGGTCATGAAGACATGCCTGTGGAGA
 GGATTCTAGAAGCTGAACTTGTGTTGAACAAAGACAGAATCCTATGGTGACATGAATA
 TGGAGAACTCGACAAATGACCCTGTTACCAACATATGTCATGCTGCTGACAAGCAGCTTT
 TCACCCTCGTTGAATGGGCCAAGCGTATCCCCACTTCTCTGACCTCACCTTGGAGGACC
 AGGTCATTTTGTTCGGGCAGGGTGAATGAATTGCTGATTGCCTCTTTCTCCCACCGCT
 CAGTTTCCGTGCAGGATGGCATCCTTCTGGCCACGGGTTACATGTCCACCGGAGCAGTG
 CCCACAGTGTGGGGTCCGCTCCATCTTGGACAGAGTCCCTAACTGAGCTGGTTTCCAAAA
 TGAAGACATGCAGATGGACAAGTCGGAAGTGGGATGCCTGCGAGCCATTGACTCTTTA
 ACCCAGATGCCAAGGGCCTGTCCAACCCCTCTGAGGTGGAGACTCTGCGAGAGAAGGTTT
 ATGCCACCCTTGAGGCCTACACCAAGCAGAAGTATCCGGAACAGCCAGGAGGTTTGCCA
 AGCTGCTGCTGCGCCTCCAGCTCTGCGTTCCATTGGCTTGAATGCCTGGAGCACCTCT
 TCTTCTCAAGCTCATCGGGACACCCCATTTGACACCTTCTCATGGAGATGTTGGAGA
 CCCCCTGTCAGATCACCTGAGCCCCACCAGCCACAGCCTCCCCACCCAGGATGACCCCTG
 GGCAGGTGTGTGGACCCACCCTGCACTTCTCCACCTCCCACCCTGACCCCTTC
 CTGTCCCCAAAATGTGATGCTTATAATAAAGAAAACCTTCTACAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_006917

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_006917.3 , NP_008848.1
RefSeq Size:	1856 bp
RefSeq ORF:	1392 bp
Locus ID:	6258
UniProt ID:	P48443
Cytogenetics:	1q23.3
Domains:	HOLI, zf-C4
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Adipocytokine signaling pathway, Non-small cell lung cancer, Pathways in cancer, PPAR signaling pathway, Small cell lung cancer, Thyroid cancer
Gene Summary:	<p>This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the antiproliferative effects of retinoic acid (RA). This receptor forms dimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. This gene is expressed at significantly lower levels in non-small cell lung cancer cells. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a, also known as RXRgamma1).</p>