

Product datasheet for **SC121352**

RARRES1 (NM_002888) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RARRES1 (NM_002888) Human Untagged Clone
Tag:	Tag Free
Symbol:	RARRES1
Synonyms:	LXNL; PERG-1; TIG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC121352 sequence for NM_002888 edited (data generated by NextGen Sequencing)

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ATGCAGCCCCCGCGCAACGGCTGCCTGCTCCCTGGTCCGGGCCAGGGGCCGCGCCCC  
ACCGCCCCGCTGCTCGCGCTGCTGCTGTTGCTCGCCCCGGTGGCGCGCCCGGGGTCC  
GGGGACCCCGACGACCTGGGCAGCCTCAGGATGCTGGGGTCCCAGCGAGGCTCCTGCAG  
CAGGCGCGCGCGCGGCTTCACTTCTCAACTTCCGGTCCGGCTCGCCAGCGCGCTA  
CGAGTGTGGCCGAGGTGCAGGAGGGCCGCGCGTGGATTAATCCAAAAGAGGGATGTA  
GTTACAGTGGTCTTACAGCAGAGCGCTACAACCCAGAGTCTTTACTTACGGAAGGTGAG  
GGACGTTTGGGAAATGTTCTGCTCGAGTGTCTTTCAAGAATCAGAAACCCAGACCAACY  
ATCAATGTAACCTGTACACGGCTCATCGAGAAAAAAGAAAAGACAACAAGAGGATTACCTG  
CTTTACAAGCAAATGAAGCAACTGAAAAACCCCTTGGAAATAGTCAGCATACCYGATAAT  
CATGGACATATTGATCCCTCTCTGAGACTCATCTGGGATTTGGCTTTCCTTGAAGCTCT  
TACGTGATGTGGAAATGACAACACAGGTGTCACACTACTACTTGGCACAGCTCACTAGT  
GTGAGGCAGTGGGTAAGAAAAACCTGA
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Clone variation with respect to NM_002888.2
420 c=>y;534 t=>y



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002888 unedited CGCGTTACAGATATTTGTAATACGACTCACTATAGGGNCCGGCCGCGNAATCCAACCTTC CTGCGTCCATGCAGCCCCGCCGGCAACGGCTGCCTGCTCCCTGGTCCGGGCCAGGGGCC CGCGCCCCACCGCCCGCTGCTCGCGCTGCTGCTGTTGCTCGCCCCGGTGGCGGCGCCCG CGGGGTCCGGGGACCCGACGACCCTGGGCAGCCTCAGGATGCTGGGGTCCCAGCGCAGGC TCCTGCAGCAGGCGGCGCGCGCGCTTCACTTCTTCAACTCCGGTCCGGCTCGCCCA GCGCGCTACGAGTGTGGCCGAGGTGCAGGAGGGCCGCGGTGGATTAATCCAAAAGAGG GATGTAAGTTACGTGGTCTTACGACAGAGCGCTACAACCCAGAGTCTTTACTTCAGG AAGGTGAGGGACGTTTGGGAAATGTTCTGCTCGAGTGTTTTTCAAGAATCAGAAACCCA GACCAACCATCAATGTAACCTGTACACGGCTCATCGAGAAAAAGAAAAGACAACAAGAGG ATTACCTGCTTTACAAGCAAATGAAGCAACTGANAAACCCTTGGAAATAGTCAGCATACT CTGATAATCATGGACATATTGATCCCTCTGAGACTCATCTGGGATTTGGCTTTCCTTG GGAGCTTACGTGATGTGGAAATGACAACACAGGTGTCACACTACTACTTGGCACAGC TCACTAGTGTGAGGCAGTGGGTAAAGAAAACCTGAAAATAACTTGTGCCACCCGGCCG CGGTCATAGCTGTTTCTGAACAGATCCCGGGTGGGCATCCCTGTGACCCTCCCATGC CTCTCCTGGGCTGGGGAGTGTCACTCCAGTGGCCACCAACCTGGGCCTATAAATTAAG TTGATCATTTTGTCTGACAAGTGCC</p>
Restriction Sites:	Please inquire
ACCN:	NM_002888
Insert Size:	3800 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_002888.2 , NP_002879.2
RefSeq Size:	886 bp

RefSeq ORF: 687 bp

Locus ID: 5918

UniProt ID: [P49788](#)

Cytogenetics: 3q25.32

Protein Families: Druggable Genome

Gene Summary: This gene was identified as a retinoid acid (RA) receptor-responsive gene. It encodes a type 1 membrane protein. The expression of this gene is upregulated by tazarotene as well as by retinoic acid receptors. The expression of this gene is found to be downregulated in prostate cancer, which is caused by the methylation of its promoter and CpG island. Alternatively spliced transcript variant encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 3' end-region compared to variant 1. The resulting isoform (2) has a distinct and shorter C-terminus, as compared to isoform 1.

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.