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Product datasheet for SC308349

RARRES1 (NM_206963) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RARRES1 (NM_206963) Human Untagged Clone
Tag:	Tag Free
Symbol:	RARRES1
Synonyms:	LXNL; PERG-1; TIG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308349 representing NM_206963. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAGCCCCGCCGGCAACGGCTGCCTGCTCCCTGGTCCGGGCCCAGGGGCCCGCGCCCCACCGCCCCG CTGCTCGCGCTGCTGCTGTTGCTCGCCCCGGTGGCGGCGCCCGCGGGGTCCGGGGACCCCGACGACCCT GGGCAGCCTCAGGATGCTGGGGTCCCGCGCAGGCTCCTGCAGCAGGCGGCGCGCGCGGCGCTTCACTTC TTCAACTTCCGGTCCGGCTCGCCCAGCGCGCTACGAGTGCTGGCCGAGGTGCAGGAGGGCCGCGCGTGG ATTAATCCAAAAGAGGGATGTAAAGTTCACGTGGTCTTCAGCACAGAGCGCTACAACCCAGAGTCTTTA CTTCAGGAAGGTGAGGGACGTTTGGGGAAATGTTCTGCTCGAGTGTTTTTCAAGAATCAGAAACCCAGA CCAACCATCAATGTAACTTGTACACGGCTCATCGAGAAAAAGAAAAGACAACAAGAGGATTACCTGCTT TACAAGCAAATGAAGCAACTGAAAAACCCCTTGGAAATAGTCAGCATACCTGATAATCATGGACATATT GATCCCTCTCTGAGACTCATCTGGGATTTGGCTTTCCTTGGAAGCTCTTACGTGATGTGGGAAATGACA ACACAGGTGTCACACTACTACTTGGCACAGCTCACTAGTGTGAGGCAGTGGAAAACTAATGATGATACA ATTGATTTTGATTATACTGTTCTACTTCATGAATTATCAACACAGGAAATAATTCCCTGTCGCATTCAC TTGGTCTGGTACCCTGGCAAACCTCTTAAAGTGAAGTACCACTGTCAAGAGCTACAGACACCAGAAGAA GCCTCCGGAACTGAAGAAGGATCAGCTGTAGTACCAACAGAGCTTAGTAATTTCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
Plasmid Map:	
ACCN:	NM_206963
Insert Size:	885 bp

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OTI Disclaimer:	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. 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
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:	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_206963.1
RefSeq Size:	1545 bp
RefSeq ORF:	885 bp
Locus ID:	5918
UniProt ID:	P49788
Cytogenetics:	3q25.32
Protein Families:	Druggable Genome
MW:	33.3 kDa

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 (1) represents the longer transcript. It encodes the longer isoform (1).