

Product datasheet for **SC324314**

NR2C1 (NM_001032287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2C1 (NM_001032287) Human Untagged Clone
Tag:	Tag Free
Symbol:	NR2C1
Synonyms:	TR2
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_001032287.1
 CGAGCCGAGAAAGAGGTCACGAACCTCTGACCCCCAGAAAATACCCAAACACAGAAAGCTC
 TCTCCGCCGTGAATCTCGATCCCACATCCCGTCGGCTTTCTTCAACCTCTCTTCCCGGAG
 CGCCCCCAATCCACGAGTGGCAGCCGCGGGACTGTCGCGTCGGCGCCGACGCCGGAGT
 CAGCAGGGCGCAAAAGCGCCGGTAGATCATGGCAACCATAGAAGAAATTCACATCAAAT
 TATTGAACAACAGATGGGAGAGATTGTTACAGAGCAGCAAACCTGGGCAGAAAATCCAGAT
 TGTGACAGCACTTGATCATAATACCCAAGGCAAGCAGTTCACTTGACAAAATCACGACGG
 CTCTACTCCAAGCAAAGTCATTCTGGCCAGGCAAGATTCCAATCCGGGAAAAGTTTTCTT
 TACAACCTCAGATGCAGCAGGTGCAACCAAGTTATTTTTTACCCTCTGATCTGTCTGC
 ACAACACCTGCAGCTCCTAACAGATAATTCTCCAGACCAAGACCAAATAAGGTTTTTGA
 TCTTTGCGTAGTATGTGGAGACAAAGCATCAGGACGTCATTATGGAGCAGTAACCTGTGA
 AGGCTGCAAAAGGATTTTTTAAAAGAAGCATCCGAAAAAATTTAGTATATTCATGTCGAGG
 ATCAAAGGATTGTATTATTAATAAGCACCCGAAACCGCTGTCAATACTGCAGTTTACA
 GAGATGTATTGCGTTTGGAAATGAAGCAAGACTCTGTCCAATGTGAAAGAAAACCCATTGA
 AGTATCACGAGAAAAATCTTCCAATGTGCCGTTCAACAGAAAAATCTATATCCGAAA
 GGACCTTCGTAGCCCATTAAGTCAACTCCAATTTTGTAAACAGATAGTAAAGTACAAG
 GTCAACAGGACTGTTAGATTCAGGAATGTTTATGAATATTCATCCATCTGGAGTAAAAAC
 TGAGTCAGCTGTGCTGATGACATCAGATAAGGCTGAATCATGTCAGGGAGATTTAAGTAC
 ATTGGCCAATGTGGTTACATCATTAGCGAATCTTGAAAAACTAAAGATCTTTCTCAAAA
 TAGTAATGAAATGTCTATGATTGAAAGCTTAAGCAATGATGATACCTCTTTGTGTGAATT
 TCAAGAAATGCAGACCAACGGTATGTTTCAAGGGCATTGACTCTTGCAAAAGCATT
 GAATCCTGGAGAGACACAGCCTGCCAGAGCTCAGTAGCGGCATGGAAGGAAGTGATACA
 CCTAATCACTGGAGATTCAGCATAAATTACACCGAAAAAGAGGGGCCACTTCTCAGCGA
 TTCACATGTAGCTTTCAGGCTCACCATGCCTTCTCTATGCCTGAGTACCTGAATGTGCA
 CTACATTGGGGAGTCTGCCTCCAGACTGCTGTTCTTATCAATGCACTGGGCACCTTTCGAT
 TCCTTCTTTCCAGGCTCTAGGGCAAGAAAAACAGCATATCACTGGTGAAGCTTACTGGAA
 TGAACCTTTTACTCTTGGTCTTGCCAGTGTGGCAAGTGAATGTAGCAACTATATT
 AGCAACATTTGTCAATTGTCTTCAATAGTCTTCAACAAGCAGAGGGTAAATCACCTTA
 AAATGTATCAAAAATAGATCTACTAGAAGGCAGCATCACATCCCATCTTACTTATGGA
 CTCCTACCCTGGTTCATGTCTTATATGCCTGTAATGGTTATAAAGCCTACCTTCAGGAA
 AGCTATGGTTGACTAATTAATAATGGATGGGTTTTAAACATGTCCCTCTACAATAAATTA
 AAATCTTTATTGTAAAACCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001032287

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:

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_001032287.1](#), [NP_001027458.1](#)

RefSeq Size: 1855 bp

RefSeq ORF: 1404 bp

Locus ID: 7181

UniProt ID: [P13056](#)

Cytogenetics: 12q22

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

Gene Summary: This gene encodes a nuclear hormone receptor characterized by a highly conserved DNA binding domain (DBD), a variable hinge region, and a carboxy-terminal ligand binding domain (LBD) that is typical for all members of the steroid/thyroid hormone receptor superfamily. This protein also belongs to a large family of ligand-inducible transcription factors that regulate gene expression by binding to specific DNA sequences within promoters of target genes. Multiple alternatively spliced transcript variants have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR compared to variant 1. The resulting isoform (b, also known as TR2-9) has a shorter C-terminus compared to isoform a.