

## Product datasheet for **SC314083**

### NR1D2 (D16815) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NR1D2 (D16815) Human Untagged Clone
Tag:	Tag Free
Symbol:	NR1D2
Synonyms:	BD73; EAR-1R; RVR
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for D16815, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGTGAATGCAGGAGGTGTGATTGCCTATATCAGTTCTTCCAGCTCAGCCTCAAGC
CCTGCCTCTTGTACAGTGAGGGTTCTGAGAATAGTTTCCAGTCCTCCTCTTCTGTT
CCATCTTCTCAAATAGCTCTAATTCTGATACCAATGGTAATCCCAAGAATGGTATCTC
GCCAATATTGAAGGCATCTTGAAGAATGATCGAATAGATTGTTCTATGAAAAACAAGCAA
TCGAGTGCACCTGGGATGACAAAAAGTCATAGTGGTGTGACAAAAATTTAGTGGCATGGTT
CTACTGTGTAAAGTCTGTGGGGATGTGGCGTCAGGATTCCACTATGGAGTTCATGCTTGC
GAAGGCTGTAAGGTTTTCTTTCGGAGAAGTATTCAACAAAACATCCAGTACAAGAAGTGC
CTGAAGAATGAAAAGTCTATAATGAGAATGAATAGGAACAGATGTCAGCAATGTCGC
TTCAAAAAGTGTCTGTCTGTTGGAATGTCAAGAGATGCTGTTCCGTTTGGTCGTATTCT
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AGCCAGTTCAGTGGTCACTTGCAAAATGACACATTAGTAGAACATCATGAACAGACAGCC
TTGCCAGCCCAGGAACAGCTGCGACCCAAGCCCAACTGGAGCAAGAAAACATCAAAAGC
TCTTCTCCTCCATCTTCTGATTTTGCAAAGGAAGAAGTATTGGCATGGTGACCAGAGCT
CACAAGGATACCTTTATGTATAATCAAGAGCAGCAAGAAAACACTCAGCTGAGAGCATGCAG
CCCAGAGAGGAGAACGGATTCCCAAGAACATGGAGCAATATAATTTAAATCATGATCAT
TGCGGCAATGGGCTTAGCAGCCATTTCCCTGTAGTGAGAGCCAGCAGCATCTCAATGGA
CAGTTCAAAGGGAGGAATATAATGCATTACCCAAATGGTCATGCCATTTGTATTGCAAA
GGACATTGTATGAACTTCTCCAATGCTTATACTCAAAGAGTATGTGATAGAGTTCGGATA
GATGGATTTTCTCAGAATGAGAACAAGAATAGTTACCTGTGCAACACTGGAGGAAGAATG
CATCTGGTTTGTCCAATGAGTAAGTCTCCATATGTGGATCCTCATAAATCAGGACATGAA
ATCTGGGAAGAATTTTCGATGAGCTTCACTCCAGCAGTGAAGAAGTGGTGAATTTGCA
AAGCGTATTCCTGGGTTTCAGAGATCTCTCTCAGCATGACCAGGTCAACCTTTTAAAGGCT
GGGACTTTTGGAGTTTTAATGGTACGGTTCGCATCATTATTTGATGCAAAGGAACGTA
GTACCTTTTTAAGTGGAAAGAAATATAGTGTGGATGATTTACACTCAATGGGAGCAGGG
GATCTGTCTAAACTCTATGTTTGAATTTAGTGAGAAGCTAAATGCCCTCCAACCTTAGTGAT
GAAGAGATGAGTTTGTACAGCTGTTGTCTGCTGATCTGCAGATCGATCTGGAATAGAA
AACGTCAACTCTGTGGAGGCTTTGCAGGAAACTCTCATTTCGTGCACTAAGGACCTTAATA
ATGAAAAACCATCCAATGAGGCCTCTATTTTTACAAAAGTCTTAAAGTTGCCAGAT
CTTCGATCTTTAAACAACATGCACTCTGAGGAGCTCTTGGCCTTAAAGTTACACCT
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	D16815
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">D16815.1</a></u> , <u><a href="#">BAA20088.1</a></u>
<b>RefSeq Size:</b>	2147 bp
<b>RefSeq ORF:</b>	1740 bp
<b>Locus ID:</b>	9975
<b>Cytogenetics:</b>	3p24.2
<b>Domains:</b>	HOLI, zf-C4
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<b>Gene Summary:</b>	This gene encodes a member of the nuclear hormone receptor family, specifically the NR1 subfamily of receptors. The encoded protein functions as a transcriptional repressor and may play a role in circadian rhythms and carbohydrate and lipid metabolism. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]