

## Product datasheet for **RG208060**

### NR2C1 (NM\_001032287) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NR2C1 (NM_001032287) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR2C1
Synonyms:	TR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208060 representing NM\_001032287  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACCATAGAAGAAATTGCACATCAAATTATTGAACAACAGATGGGAGAGATTGTTACAGAGCAGC  
 AAAGTGGCAGAAAAATCCAGATTGTGACAGCAGCTTGTATCATAATACCCAAGGCAAGCAGTTCATTCTGAC  
 AAATCACGACGGCTCTACTCCAAGCAAAGTCACTTGGCCAGGCAAGATCCACTCCGGGAAAAGTTTTTC  
 CTTAACAATCCAGATGCAGCAGGTGTCAACCAGTTATTTTTTACCCTCTGATCTGTCTGCACAACACC  
 TGCAGCTCCTAACAGATAATTCTCCAGACCAAGGACCAAATAAGGTTTTTGTCTTTGCGTAGTATGTGG  
 AGACAAAGCATCAGGACGTCATTATGGAGCAGTAACTTGTGAAGGCTGCAAAGGATTTTTTAAAAGAAGC  
 ATCCGAAAAAATTTAGTATATTCATGTCGAGGATCAAAGGATTGTATTATTAATAAGCACCACCGAAACC  
 GCTGTCAATACTGCAGGTTACAGAGATGTATTGCGTTTGAATGAAGCAAGACTCTGTCCAATGTGAAAG  
 AAAACCCATTGAAGTATCACGAGAAAAATCTTCCAACCTGTCCGCTTCAACAGAAAAAATCTATATCCGA  
 AAGGACCTTCGTAGCCATTAACCTGCAACTCCAACCTTTTGTAAACAGATAGTAAAAGTACAAGGTCAACAG  
 GACTGTTAGATTCAGGAATGTTCAATGAATATTCATCCATCTGGAGTAAAAACTGAGTCAGCTGTGCTGAT  
 GACATCAGATAAGGCTGAATCATGTGAGGAGATTTAAGTACATTGGCCAATGTGGTTACATCATTAGCG  
 AATCTTGGAAAAACTAAAGATCTTTCTCAAAATAGTAATGAAATGTCTATGATTGAAAGCTTAAGCAATG  
 ATGATACCTCTTTGTGTGAATTTCAAGAAATGCAGACCAACGGTGATGTTTCAAGGGCATTGACTCT  
 TGCAAAAGCATTGAATCCTGGAGAGACACAGCCTGCCAGAGCTCAGTAGCGGCATGGAAGGAAGTGTA  
 CACCTAATCACTGGAGATTCAAGCATAAATTACACCGAAAAAGAGGGGCCACTTCTCAGCGATTACATG  
 TAGCTTTTCAAGGCTCACCATGCCTTCTCCTATGCCTGAGTACCTGAATGTGCACTACATTTGGGAGTCTGC  
 CTCAGACTGCTGTTCTTATCAATGCACTGGGCCTTTTCGATTCTTCTTTCCAGGCTCTAGGGCAAGAA  
 AACAGCATATCACTGGTGAAGCTTACTGGAATGAACTTTTTACTCTTGGTCTTGCCAGTCTGGCAAG  
 TGATGAATGTAGCAACTATATTAGCAACATTTGTCAATTTGCTTCACAATAGTCTTCAACAAGCAGAGGG  
 G

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG208060 representing NM\_001032287  
 Red=Cloning site Green=Tags(s)

MATIEEIAHQIIEQQMGEIVTEQQTGQKIQIVTALDHNTQGKQFILTNHDGSTPSKVILARQDSTPGKVF  
 LTTTPDAAGVNQLFFTTTDLQAHLQLLTDNSPDQGNKVFVLCVCGDKASGRHYGAVTCEGCKGFFKRS  
 IRKNLVYSCRGSKDCIINKHHRNRCQYRQLQRCIAFGMKQDSVQCERKPIEVSREKSSNCAASTEKIYIR  
 KDLRSPLTATPTFVTDSESTRSTGLLDSGMFMNIHPSGVKTESAVLMTSDKAESCQGDSTLANVVTSLA  
 NLGKTKDLSQNSNEMSMIESLSNDDTSLCEFQEMQTNQDVSRAFDLAKALNPGESTACQSSVAGMEGSV  
 HLITGSSINYTEKEGPLLSDSHVAFRLTMPSPMPEYLVNHYIGESASRLLFLSMHWALSIPSFQALGQE  
 NSISLVKAYWNEFLTLGLAQCWQVMNVATILATFVNCLHNSLQQAEG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001032287

**ORF Size:** 1401 bp

**OTI Disclaimer:** 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001032287.3](#)

**RefSeq Size:** 1855 bp

**RefSeq ORF:** 1404 bp

**Locus ID:** 7181

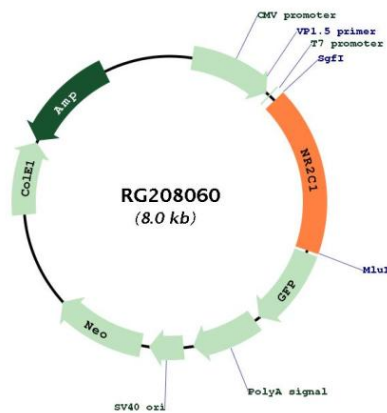
**UniProt ID:** [P13056](#)

**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]

**Product images:**



Circular map for RG208060