

Product datasheet for **RG225822**

NR2C1 (NM_001127362) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2C1 (NM_001127362) 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:

>RG225822 representing NM_001127362
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACCATAGAAGAAATTGCACATCAAATTATTGAACAACAGATGGGAGAGATTGTTACAGAGCAGC
 AAAGTGGCAGAAAAATCCAGATTGTGACAGCACTTGTATCATAATACCCAAGGCAAGCAGTTCATTCTGAC
 AAATCACGACGGCTCTACTCCAAGCAAAGTCACTTGGCCAGGCAAGATTCCACTCCGGGAAAAAGTTTTT
 CTTACAACCTCCAGATGCAGCAGGTGTCAACCAGTTATTTTTTACCCTCTGATCTGTCTGCACAACACC
 TGCAGCTCCTAACAGATAATTCTCCAGACCAAGGACCAATAAGGTTTTTGTCTTTGCGTAGTATGTGG
 AGACAAAGCATCAGGACGTCATTATGGAGCAGTAACTTGTGAAGGCTGCAAAGGATTTTTTAAAAGAAGC
 ATCCGAAAAAATTTAGTATATTCATGTCGAGGATCAAAGGATTGTATTATTAATAAGCACCACCGAAACC
 GCTGTCAATACTGCAGGTTACAGAGATGTATTGCGTTTGAATGAAGCAAGACTCTGTCCAATGTGAAAG
 AAAACCCATTGAAGTATCACGAGAAAAATCTTCCAACCTGTCCGCTTCAACAGAAAAAATCTATATCCGA
 AAGGACCTTCGTAGCCATTAACCTGCAACTCCAACCTTTTGTAAACAGATAGTAAAAGTACAAGGTCAACAG
 GACTGTTAGATTCAGGAATGTTCAATATTCATCCATCTGGAGTAAAAACTGAGTCAGCTGTGCTGAT
 GACATCAGATAAGGCTGAATCATGTGAGGAGATTTAAGTACATTGGCCAATGTGGTTACATCATTAGCG
 AATCTTGGAAAACTAAAGATCTTTCTCAAAATAGTAATGAAATGTCTATGATTGAAAGCTTAAGCAATG
 ATGATACCTCTTTGTGTGAATTTCAAGAAATGCAGACCAACGGTGTGTTCAAGGGCATTGACTCT
 TGCAAAAGCATTGAATCCTGGAGAGACACAGCCTGCCAGAGCTCAGTAGCGGCATGGAAGGAAGTGTA
 CACCTAATCACTGGAGATTCAAGCATAAATTACACCGAAAAAGAGGGGCCACTTCTCAGCGATTACATG
 TAGCTTTTCAAGGCTCACCATGCCTTCTCCTATGCCTGAGTACCTGAATGTGCACTACATTTGGGAGTCTGC
 CTCAGACTGCTGTTCTTATCAATGCACCTGGCCTTTTCGATTCTTTTCCAGGCTCTAGGGCAAGAA
 AACAGCATATCACTGGTGAAGCTTACTGGAATGAACTTTTTACTCTTGGTCTTGGCCAGTGTGGCAAG
 TGATGAATGTAGCAACTATATTAGCAACATTTGTCAATTGTCTTCACAATAGTCTTCAACAAGATGCCAA
 GGTAATTGCAGCCCTCATTTCATTCACAAGACGAGCAATCACTGATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225822 representing NM_001127362
 Red=Cloning site Green=Tags(s)

MATIEEIAHQIIEQQMGEIVTEQQTGQKIQIVTALDHNTQGKQFILTNHDGSTPSKVILARQDSTPGKVF
 LTTTPDAAGVNQLFFTTTDL SAQHLQLL TDNSPDQGNKVF DL CVVCGDKASGRHYGAVTCEGCKGFFKRS
 IRKNLVYSCRGSKDCIINKHHRNRCQYRQLRQCIAFGMKQDSVQCERKPIEVSREKSSNCAASTEKIYIR
 KDLRSPLTATPTFVTDSESTRSTGLLDSGMFMNIHPSGVKTESAVLMTSDKAESCQDGLSTLANVVTSLA
 NLGKTKDLSQNSNEMSMIESLSNDDTSLCEFQEMQTNQDVSRAFDLAKALNPGESTACQSSVAGMEGSV
 HLITGDSSINYTEKEGPLLSDSHVAFRLTMPSPMPEYLVNHYIGESASRLLFLSMHWALSIPSFQALGQE
 NSISLVKAYWNEFLTLGLAQCWQVMNVATILATFVNCLHNSLQQDAKVI AAL IHFTRRAITDL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_001127362.2](#)

RefSeq Size: 2147 bp

RefSeq ORF: 1452 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]