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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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAACCATAGAAGAAATTGCACATCAAATTATTGAACAACAGATGGGAGAGATTGTTACAGAGCAGC
AAACTGGGCAGAAAATCCAGATTGTGACAGCACTTGATCATAATACCCAAGGCAAGCAGTTCATTCTGAC
AAATCACGACGGCTCTACTCCAAGCAAAGTCATTCTGGCCAGGCAAGATTCCACTCCGGGAAAAGTTTTC
CTTACAACTCCAGATGCAGCAGGTGTCAACCAGTTATTTTTTACCACTCCTGATCTGTCTGCACAACACC
TGCAGCTCCTAACAGATAATTCTCCAGACCAAGGACCAAATAAGGTTTTTGATCTTTGCGTAGTATGTGG
AGACAAAGCATCAGGACGTCATTATGGAGCAGTAACTTGTGAAGGCTGCAAAGGATTTTTTAAAAGAAGC
ATCCGAAAAAATTTAGTATATTCATGTCGAGGATCAAAGGATTGTATTATTAATAAGCACCACCGAAACC
GCTGTCAATACTGCAGGTTACAGAGATGTATTGCGTTTGGAATGAAGCAAGACTCTGTCCAATGTGAAAG
AAAACCCATTGAAGTATCACGAGAAAAATCTTCCAACTGTGCCGCTTCAACAGAAAAAATCTATATCCGA
AAGGACCTTCGTAGCCCATTAACTGCAACTCCAACTTTTGTAACAGATAGTGAAAGTACAAGGTCAACAG
GACTGTTAGATTCAGGAATGTTCATGAATATTCATCCATCTGGAGTAAAAACTGAGTCAGCTGTGCTGAT
GACATCAGATAAGGCTGAATCATGTCAGGGAGATTTAAGTACATTGGCCAATGTGGTTACATCATTAGCG
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ATGATACCTCTTTGTGTGAATTTCAAGAAATGCAGACCAACGGTGATGTTTCAAGGGCATTTGACACTCT
TGCAAAAGCATTGAATCCTGGAGAGAGCACAGCCTGCCAGAGCTCAGTAGCGGGCATGGAAGGAAGTGTA
CACCTAATCACTGGAGATTCAAGCATAAATTACACCGAAAAAGAGGGGCCACTTCTCAGCGATTCACATG
TAGCTTTCAGGCTCACCATGCCTTCTCCTATGCCTGAGTACCTGAATGTGCACTACATTGGGGAGTCTGC
CTCCAGACTGCTGTTCTTATCAATGCACTGGGCACTTTCGATTCCTTCTTTCCAGGCTCTAGGGCAAGAA
AACAGCATATCACTGGTGAAAGCTTACTGGAATGAACTTTTTACTCTTGGTCTTGCCCAGTGCTGGCAAG
TGATGAATGTAGCAACTATATTAGCAACATTTGTCAATTGTCTTCACAATAGTCTTCAACAAGATGCCAA
GGTAATTGCAGCCCTCATTCATTTCACAAGACGAGCAATCACTGATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

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

MATIEEIAHQIIEQQMGEIVTEQQTGQKIQIVTALDHNTQGKQFILTNHDGSTPSKVILARQDSTPGKVF
LTTPDAAGVNQLFFTTPDLSAQHLQLLTDNSPDQGPNKVFDLCVVCGDKASGRHYGAVTCEGCKGFFKRS
IRKNLVYSCRGSKDCIINKHHRNRCQYCRLQRCIAFGMKQDSVQCERKPIEVSREKSSNCAASTEKIYIR
KDLRSPLTATPTFVTDSESTRSTGLLDSGMFMNIHPSGVKTESAVLMTSDKAESCQGDLSTLANVVTSLA
NLGKTKDLSQNSNEMSMIESLSNDDTSLCEFQEMQTNGDVSRAFDTLAKALNPGESTACQSSVAGMEGSV
HLITGDSSINYTEKEGPLLSDSHVAFRLTMPSPMPEYLNVHYIGESASRLLFLSMHWALSIPSFQALGQE
NSISLVKAYWNELFTLGLAQCWQVMNVATILATFVNCLHNSLQQDAKVIAALIHFTRRAITDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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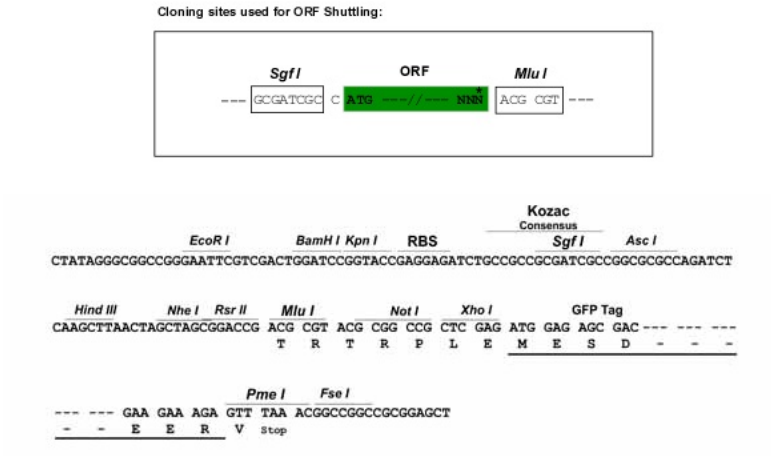
Cloning Scheme:



ACCN:	NM_001127362
ORF Size:	1449 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_001127362.2
RefSeq Size:	2147 bp
RefSeq ORF:	1452 bp
Locus ID:	7181
UniProt ID:	P13056

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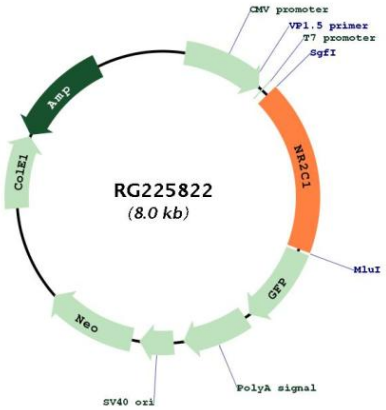
Cytogenetics: 12q22

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 RG225822

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