

Product datasheet for **MC219402**

Nr2c1 (NM_011629) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2c1 (NM_011629) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr2c1
Synonyms:	80.3; 4831444H07Rik; Eenr; TR2; Tr2-11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219402 representing NM_011629
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCATAGAAGAAATTGCACATCAAATTATCGACCAACAGATGGGTGAGATTGTTACAGAGCAGC
 AGACTGGACAGAAAATCCAGATCGTGACAGCACTTGACCACAGCACACAGGGCAAGCAGTTCATTCTGGC
 AAACCACGAGGGATCCACGCCAGGAAAGTCTTCTCACAACTCCAGACGCCGCAGGTGTCAACCAGTTG
 TTTTTACCAGTCTGATCTGTCCGCACCGCACCTCCAGCTCTTAACAGAAAAGTCTCTGACCAGGGAC
 CAAATAAGGTTTTTGATCTTTGTGTGTGTGGAGACAAAGCATCAGGGCGTCATTACGGAGCAATAAC
 TTGTGAAGGCTGCAAAGGATTCTTTAAAAGAAGCATCCGAAAAACCTAGTCTATTCTGTGAGGATCC
 AAAGACTGCGTTATCAATAAGCACCACCGAAACCGCTGCCAGTACTGCAGGCTGCAGAGGTGCATTGCC
 TCGGGATGAAGCAAGACTCTGTTCAAGTGTGAAAGAAAACCCATTGAAGTTTCCCGAGAAAAATCTCCAA
 CTGTGCAGCTTCAACAGAAAAAATCTACATCCGAAAAGACCTCCGAAGCCCTCTAGCCGCAACGCCAAC
 TTTGTAACAGACAGCGAGACTGCCAGGTCACTGGACTGTTGGATTACAGGAATGTTTGTGAATATTCATC
 CGTCTGGAATAAAAAACAGAGCCAGCTATGCTAATGGCACCAGATAAGGCTGAATCGTGTGACGGGAGACT
 AAGCACATTGGCCAGTGTGGTCACATCATTAGCGAATCTCGGCAAAGCTAAAGACCTTTCTCACTGCGGT
 GGGGATATGCCTGTGGTGCAGAGCTTACGCAATGGGGATACATCCTTCGGTGTCTTTTCATCATGATTC
 AGACCAATGGGGATGTTTCAAGGGCATTGACACTCTTGCAAAGCACTGACTCCCGGCGAAAGCTCCGC
 CTGCCAGAGCCCAGAAGAGGGCATGGAGGGAAGCCCGCATCTAATCGCTGGAGAGCCAAGCTTCGTGGAG
 AAGGAGGGGCCGCTGCTGAGCGAGTGCACGTAGCTTTCCAGGCTCACCATGCCTTCTCTATGCCGAGT
 ACCTGAATGTGCACTACATTGGGGAGTCCGCCTCCAGACTGCTGTTCTTATCGATGCACTGGGCACCTTC
 CATACTTCTTTCCAGGGCTAGGGCAGGAGAACAGCATATCACTGGTAAAAGCGTATTGGAATGAGCTT
 TTTACCCTTGGTCTTGCCAGTGTGGCAAGTGTGAACGTGGCAACTATATTAGCAACGTTTGTCAACT
 GTCTTACAGTAGCCTTACAGCAAGATAAAATGTCCCGGAAAGGAGGAAGTCGTTGATGGAGCACATCTT
 CAAGCTACAGGAGTTCTGCAACAGCATGGTTAAGCTCTGCATCGATGGGCATGAGTACGCCACCTCAAG
 GCCATCGTCTCTTCAAGTCCCGATCACCAGGCCTGGAGAACATGGAGCTAATTGAGAGATTTAGGAAA
 AGGCTTATGTGGAATCCAAGATTATATCACCAGGACATATCCAGATGACACCTACAGGCTGTCCGATT
 ACTTCTCAGACTGCCCGCTTGGCGTGTGAACGCTACCATTACTGAGGAGTTGTTCTTCAAAGGTCTC
 ATTTGGCAACGTACGGATCGACAGTGTATCCCACACATTTTAAAATGGAGCCTGCAGATTACAACCTCTC
 AAATAATTGGTACAGCCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011629

Insert Size: 1773 bp

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).

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_011629.3](#), [NP_035759.3](#)

RefSeq Size: 3827 bp

RefSeq ORF: 1773 bp

Locus ID: 22025

UniProt ID: [Q505F1](#)

Cytogenetics: 10 48.81 cM

Gene Summary: Orphan nuclear receptor. Binds the IR7 element in the promoter of its own gene in an autoregulatory negative feedback mechanism. Primarily repressor of a broad range of genes including ESR1 and RARB. Together with NR2C2, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat consensus sequences (By similarity). Also activator of OCT4 gene expression. Plays a fundamental role in early embryogenesis and regulates embryonic stem cell proliferation and differentiation. Mediator of retinoic acid-regulated preadipocyte proliferation.
[UniProtKB/Swiss-Prot Function]