

Product datasheet for **MC202548**

Nr2e1 (NM_152229) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2e1 (NM_152229) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr2e1
Synonyms:	fierce; frc; Mtl1; MtlI; tailless; TLL; Tlx; XTLL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC057104 sequence for NM_152229
 AGCGCTACTGGAGATATTACCAGAGACCCGGCCCGCAGCGACAGGCACAAAGTCACAGGGTAATGAACTT
 CGGGGACCCTTCGCCGCTGCGTGCGCGGCTGTCCCGGAAACTCGGATCTGGCCACCTCTCCCCTTGGA
 GATCTCCAGCAATCTAGTTTCCCTCTCGGCGCCGGGCTCCGGCAGCGAGGAGCTTAATCTGCCTCTG
 AGACTGCGGCTGTGATTTTCGCCTTCCACAGAAGATCTGCAGTCTGCAGAGAGCTGCCACTCTGCAGC
 CCTGTGTGGAGGGAGAGATTGGAAGCAGTACCAAGCATGGGAACGAGGGGAAGTTGCCTTCGTGCTC
 CGTAGGAAGACCATTTCCGTGTCTCCATCTGTCTTCCATATTCCTTCCATATTCCTCGCGTGTCTCCCTTCA
 GCCTGCCTGTCCATCTCTCCATCTGTCTGTTCAAGACTGTGTCCACATCAAGCCGCATCCCCAGCAGCTG
 CAGTTTTGCTAGAGCCGGAAAGAACTTAAGGATGCTTACATTTCCACTGTGGAACGAATTCTGAGCGC
 CGGGGAGAGCAGGGCAGCGCACAAACCAATAGCCACCTGTCTGTCCCGCCCGGAGCCTCGCAGGCTGGAG
 GCGGCTGGAGAGCGGCGCGGCGGCGGCGACGTGGGCGCCGTGGGTCGGGAATCCGGCAGTGCCACC
 AACCGTGCGCCCCGGACCCAGCATGAGCAAGCCCGCGGATCAACAAGCCGCATTTTATAGATATCCC
 TTGCAAAGTGTGTGGTACCGCAGCTCCGGGAAGCACTACGGGCTACGCTTGCAGCGGCTGCTCCGGA
 TTCTTCAAGAGGAGCATTGGAAGGAATAGGACCTATGTCTGCAAGTCTGGAACCAGGGAGGATGCCCG
 TAGACAAGACACACAGAAACCAATGCAGGGCGTGTGACTGAAGAAGTGTGGAAAGTCAACATGAACAA
 AGATGCCGTGCAGCAGCAGCGGGTCTCGGACGTCCACCATCCGCAACAGGTGGCTCTACTTCCGT
 GGACACAAGGAAGACAATGGGGCCGCTGCGCACTTCCCCTCCACGGCGCTGCCAGCCCCTGCTTCTTCA
 CAGCGGTACGCAGCTGGAGCCGCACGGTCTGGAGTTGGCCGCTGTGTCTGCCACTCCTGAACGGCAGAC
 TCTCGTAGCCTGGCTCAGCCCACGCCAAGTATCCCCATGAAGTGAATGGGACCCCAATGTATCTCTAC
 GAAGTGGCCACTGAGTCCGTGTGTAATCAGCTGCCAGGCTTCTCTTATGAGCATCAAGTGGGCAAGA
 GTGTGCCAGCCTTTTCCACTTTGTCTTACAAGATCAGCTGATGCTTTTGAAGACGCGTGGAGAGA
 GTTTGTCTAGGAATAGCACAATGGGCCATTCCGGTTGATGCTAACACTCTACTGGCTGTATCTGGCATG
 AACTGACAACACAGACTCCCAGAAGTGAACAAGATCATATCTGAAATACAGGCTTTGCAAGAGGTGG
 TGCTCGGTTTACAGACAGCTCCGATTAGACGCCACTGAATTTGCCTGTCTGAAATGTATTGTCACTTTCAA
 AGCTGTTCTACACAGTGGTCTGAACTGAGAAGTTTCCGGAATGCTGCCGCCATTGCCGCTCTCCAA
 GATGAGGCTCAGCTAACTCTCAACAGCTACATTACATACCAGATACCCACCCAACCCTGCCGATTCGGGA
 AACTCCTGTTGCTTTTACCAGCTTACGGTCAATTAGCCCATCTACCATAGAAGAAGTGTTTTCAAAAA
 AACCATCGGCAATGTGCCGATTACAAGACTACTTTCAGATATGTACAAATCCAGTGACATCTAAGGGCTC
 CAGTACCCACTTTTCAAGATGGGGCAGTATTAGATGGACATCTACATGCAGGTCAAGCCTCAAAAAA
 AGACTTCTGAAAGGAAAACTTGGGAGGAGTGGCCTCAGGAAAAAATGCAACGGACTCAAAA
 CAACAGCTATGACCTGTGTCCCTGAAACAGGACAGCTGGAAGGCCAGGTGTTTACAACAGTACTG
 TCGCCATGCCCTGGGATGGGGTGAAGTGGGCTCACCAGCACAGGCTGAGCCAGGTTCTGCCTCTGACCTG
 GAAGATCCCGTGAATCATTCAAAGCTGAAAGACAAGCCATGCTTTCTTCTCCTCGTAGACATAAAGT
 CAGTTGATCAACAGTAGCTTTTTATGTGACACCATCATATACTGCAGCCTTCAGAAGTCCGATGGGTTGG
 AACATTTACTTAAAAATAATGCTTAGGTTTTAAATCAAAAGTATTATCAAAATTTTCTTCTATCATA
 ATACTTCATTAAGTGGCCTTCAGAACCAAGCGAGTAAGCGAAACGTAGCTTATGTGTGTGATTTCTTT
 CCCTCCTCCTCCTCCCCTTCTGTTTTTTTTTCTTTTCTTTTTTCTCTCTCTCTCTCTCTCTCTCTCT
 TCT
 CTCTTCTCTTCTCATACCGTAGGTGAGGCAACCTCGTTAAAGGAACTGAGGACAATGGCACTTCTCCG
 CAAGACTTCAGGGTGAGCGCAGCGGTGGTGAGACACAACAGCTCTACTGAGAACCCTCCGTCGAAGGAGGA
 GGAGTCCAGACAGCAAAACCAATGACGTGGAACCAAGGTGATTGGGTGAGGTGGTCGCTGTCCCGTCATC
 AAAGTGTGAAACCAAGGCCATAGGGTCAAGGAGTACACACCAGACAGTGAACAGGGAGGGACACAAGCC
 AGAAAGAACTTCAAGGAGATGCGTGCTAAACAGATTCTGAAAGTCCATTGCTAACAGCCTGAGACTCT
 TGGATGCCTTTCAGAAAATCTGGTTTCTAATAAAGCCTCAAATGCATACATACACTCCCCCACCCTG
 TACCCCCACCCACACACCATCTATACTCTCAAGTGTCTTGGGATGAATCTATACTTATGGAA
 ATATAGAAAACAACAGTTTTAAATAGCTGCTGTACTTTTACGTTTTGATTTATTAGTACTAGCCCGAG
 GGGGAAATTCAGCACTGGCTTAGCATAGGATGAGTCAAACCTTCTTGTACAAAGTGAATTAAGTATT
 TGTGAAGTAAAAGGTTGACTCATTGTATTTACAAAATAAAAAATATATTGAATTTAAATAAAAAA AAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_152229

Insert Size:	1158 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:	<ol style="list-style-type: none">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:	BC057104 , AAH57104
RefSeq Size:	3300 bp
RefSeq ORF:	1158 bp
Locus ID:	21907
UniProt ID:	Q64104
Cytogenetics:	10 22.89 cM
Gene Summary:	Orphan receptor that binds DNA as a monomer to hormone response elements (HRE) containing an extended core motif half-site sequence 5'-AAGGTCA-3' in which the 5' flanking nucleotides participate in determining receptor specificity (By similarity). Regulates cell cycle progression in neural stem cells of the developing brain. Involved in the regulation of retinal development and essential for vision. During retinogenesis, regulates PTEN-Cyclin D expression via binding to the promoter region of PTEN and suppressing its activity. May be involved in retinoic acid receptor (RAR) regulation in retinal cells.[UniProtKB/Swiss-Prot Function]