

## Product datasheet for **MC219510**

### **Nr4a2 (NM\_001139509) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nr4a2 (NM_001139509) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr4a2
Synonyms:	HZF-3; NOT; Nurr1; RNR-1; TINOR; TINUR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219510 representing NM\_001139509  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTTGTGTTTCAGGCGCAGTATGGTCTCGCCTCAAGGAGCCAGCCCCGCTTCTCAGAGCTACAGTT  
 ACCACTCTTCGGGAGAATACAGCTCCGATTTCTTAAGTCCAGAGTTTGTCAAGTTTAGCATGGACCTCAC  
 CAACACTGAAATTAAGTCCACCCTTCTCTCCAGCTTCAAGTACCTTTATGGACAACACTACAGCACAGGC  
 TACGACGTCAAGCCACCTTGCTTGTACCAATGCCCTGTCCGGACAGCAGTCTCCATTAAGGTAGAAG  
 ACATTCAGATGCACAACACTACCAGCAACACAGCCACCTGCCCTCAGTCCGAGGAGATGATGCCACACAG  
 CGGGTCGGTTTACTACAAGCCCTTTCGCCCCGACACCCAGCACCCCGAGCTTCCAGGTGCAGCATAGC  
 CCGATGTGGGACGATCCGGGCTCCCTTCACAACTTCCACCAGAAGTACGTGGCCACTACGCATATGATCG  
 AGCAGAGGAAGACACCTGTCTCCCGCTGTCACTTCTCTTTAAGCAGTGCACCCCGGCGACTCCTGT  
 GTCTAGCTGCCAGATGCGCTTTCGACGGGCTCTGCACGTCCCATGAACCCGGAGCCCGGGGAGCCAC  
 CACGTAGTGGATGGGACAGCTTCCGCTGCCCCAACCCATTGCAAGCCGGCATCCATGGGCTTCCCGG  
 GCCTGCAGATCGGCCACGCATCGCAGTTGCTTGACACGCAGGTGCCCTCGCCGCCGCTCCCGGGGCTCC  
 CTCCAATGAGGGTCTGTGCGCTGTTTGCAGTGCACAACGCGGCCTGTGACACTACGGTGTTCGCACTTGT  
 GAGGGCTGCAAAGGTTTCTTTAAGCGCACGGTGCACCAAAACGCGAAATATGTGTGTTTAGCAAATAAAA  
 ACTGCCAGTGGACAAGCGCCCGCAAATCGTTGTGACTGTGCGTTTTCAGAGTGCCTAGCTGTTGG  
 GATGGTTAAAGAAGTGGTTCGCACGGACAGTTTAAAGGCCGGAGAGTGGTTCACCTCGAAGCCGAAG  
 AGCCACAGGATCCCTCTCCCCCTCACCTCCGGTGTGATGATGATGATGATGATGATGATGATGATGATGAT  
 ATTCCAATCCGGCAATGACCAGCCTGGACTATCCAGGTTCCAGGCAAACCTGACTATCAGATGAGTGG  
 AGATGATACCCAACATATCCAGCAGTTCTACGATCTCTGACCGGCTCTATGGAGATCATCAGAGGGTGG  
 GCAGAGAAGATCCCTGGCTTTGCTGACCTGCCAAAGCCGACCAGGACCTGCTTTTTGAATCAGCTTCT  
 TAGAATATTTGTTCTGCGCTTAGCATAACAGTCCAACCCAGTGGAGGTAACACTCATCTTTGCAATGG  
 GGTGGTCTTGACAGGTTGCAATGCGTGCCTGGCTTTGGGGAATGGATTGATTCCATTGTTGAATTTCC  
 TCCAATTCGAGAATATGAACATCGACATTTCTGCCTTCTCTGCATTGCTGCCCTGGCTATGGTACAG  
 AGAGACACGGGCTCAAGGAACCAAGAGAGTGGAAAGAGCTACAAAACAAATTTAAATTTGCTTTAAAGA  
 CCATGTGACTTTCAATAATGGGGGTTTGAACCGACCAACTACCTGTCTAACTGTTGGGGAAGCTGCCA  
 GAACTCCGACCCTTTGCACACAGGGCCTCCAGCGCATTTTCTACCTGAAATTGGAAGACTTGGTACCAC  
 CACCAGCAATAATTGACAACTTTTCTGGACACCTTACCTTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001139509
- Insert Size:** 1797 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\\_001139509.1](#), [NP\\_001132981.1](#)

**RefSeq Size:** 3026 bp

**RefSeq ORF:** 1797 bp

**Locus ID:** 18227

**UniProt ID:** [Q06219](#)

**Cytogenetics:** 2 31.66 cM

**Gene Summary:** Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development. It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1.