

Product datasheet for **MC226799**

Nr1i3 (NM_001243062) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nr1i3 (NM_001243062) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nr1i3
Synonyms: AA209988; AI551208; CAR; CAR-beta; Care2; ESTM32; MB67
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226799 representing NM_001243062
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGCTATGCTAACACTAGAAACCATGGCCAGTGAAGAAGAATATGGGCCGAGGAAGTGTGTGGTGT
GTGGAGACCGGGCCACAGGCTATCATTTCACGCCCTGACTTGTGAGGGTGC AAGGGCTCTTCAGACG
AACAGTCAGAAAACCATTTGGTCCCATCTGTCCGTTTGTGGAAGGTGTGAGGTCAGCAAGGCCAGAGA
CGCCACTGTCCAGCCTGCAGGTTGCAGAAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTGAG
CAGAAGCCCTGGCATTGCGGCGAGCCAGACAGGACAGCGGGCGGAGAGAAAGCATCTTTGCAACTGAA
TCAGCAGCAGAAAGAAGTGGTCCAGATCCTCTGGGGGCCCACTCGCCATGTGGGCCCATGTTTGAC
CAGTTTGTGAGTTCAAGCCTCCGGCCTATCTGTTTCATGCATCACCGCCTTTCCAGCCTCGGGGCCCCG
TGTTGCCTCTGCTCACACTTTGCAGATATCAACACGTTTATGGTGCAACAGATCATCAAGTTCACCAA
GGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGAA
ATATTGCATATCTCACTCAACTACGTTCTGTCTTCAAACAGAGAATTTCTTCTGTGGGCTCTTTGCT
ACAAGATGGAGGACGAGTCCATGCAGGGTCCAGTACGAGTTTTTGGAGTCGATCCTCCACTTCCATAA
AAACCTGAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCCTCTTCTCCCT
GGTTTCTGTATGCAAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001243062
Insert Size: 861 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001243062.1</u> , <u>NP_001229991.1</u>
RefSeq Size:	1322 bp
RefSeq ORF:	861 bp
Locus ID:	12355
UniProt ID:	<u>O35627</u>
Cytogenetics:	1 79.21 cM
Gene Summary:	<p>Binds and transactivates the retinoic acid response elements that control expression of the retinoic acid receptor beta 2 and alcohol dehydrogenase 3 genes. Transactivates both the phenobarbital responsive element module of the human CYP2B6 gene and the CYP3A4 xenobiotic response element (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region which results in a frameshift, compared to variant 1. This results in a shorter and distinct C-terminus in isoform 2, compared to isoform 1.</p>