

## Product datasheet for **MC227251**

### Nr1i3 (NM\_001243063) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nr1i3 (NM\_001243063) 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:** >MC227251 representing NM\_001243063  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACAGCTATGCTAACACTAGAAACCATGGCCAGTGAAGAAGAATATGGGCCGAGGAAGTGTGTGGTGT  
 GTGGAGACCGGGCCACAGGCTATCATTCCACGCCCTGACTTGTGAGGGTGC AAGGGCTTCTTCAGACG  
 AACAGTCAGAAAACCATTGGTCCCATCTGTCCGTTTGTGGAAGGTGTGAGGTCAGCAAGGCCAGAGA  
 CGCCACTGTCCAGCCTGCAGGTTGCAGAAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTGAG  
 CAGAAGCCCTGGCATTGCGGCGAGCCAGACAGGCAGCGGGCGAGAGAAAGCATCTTTGCAACTGAA  
 TCAGCAGCAGAAAAGAACTGGTCCAGATCCTCTGGGGGCCCACTCGCCATGTGGGCCCATGTTTGAC  
 CAGTTTGTGCAAGTCAAGCCTCCGGCCTATCTGTTTCATGCATCACCGCCCTTCCAGCCTCGGGGCCCG  
 TGTTGCCCTCTGCTCACACTTTGCAGATATCAACACGTTTATGGTGCAACAGATCATCAAGTTCACCAA  
 GGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAA  
 ATATTGCATATCTCACTCAACACTACGTTCTGTCTTCAAACAGAGAATTTCTTCTGTGGGCTCTTTGCT  
 ACAAGATGGAGGACGCAGTCCATGGGTTCCAGTACGAGTTTTGGAGTCGATCCTCCACTTCCATAAAAA  
 CCTGAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCCTCTTCTCCCTGAC  
 AGACCCGGAGTTACCCAAAGAGAAGAGATAGATCAGCTACAAGAGGAGATGGCGTGATTCTGAACAACC  
 ACATTATGGAACAACAGTCTCGGCTCCAAAGTCGGTTTCTGTATGCAAAGCTGATGGGCTGCTGGCTGA  
 CCTCCGGAGTATAAACAATGCATACTCCTATGAACTTCAGCGCTTGGAGGAACTGTCTGCTATGACGCC  
 CTGCTCGGGGAGATTTGCAGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001243063



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<b>Insert Size:</b>	1074 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001243063.1, NP_001229992.1</u>
<b>RefSeq Size:</b>	1425 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	12355
<b>UniProt ID:</b>	<u>O35627</u>
<b>Cytogenetics:</b>	1 79.21 cM
<b>Gene Summary:</b>	<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 (3) uses an in-frame alternate splice site in the 3' coding, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>