

## Product datasheet for **RN216339**

### Nr1i3 (NM\_001270840) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nr1i3 (NM\_001270840) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nr1i3  
**Synonyms:** CAR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216339 representing NM\_001270840  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAGCTACTCTAACACTAGAGACCATGACCAGTGAAGAAGAGTATGGGCCAAGGAAGTGTGTGGTGT  
 GTGGAGACCGAGCCACGGGCTATCATTTCATGCCCTGACTTGTGAGGGCTGCAAAGGCTTTTTTCAGACG  
 AACAGTCAGCAAGACCATTGGTCCCATCTGTCCGTTTGTGGGAGGTGTGAGGTCAGCAAGGCCAGAGA  
 CGCCATTGTCCAGCCTGCAGTTGCAGAAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTCAG  
 CAGAAGCCCTGGCACTGCGGAGAGCCAGACAGGCACGGCGGGCCAGCAAAGCATCTTTGCAACTGAG  
 TCAGCAGCAGAAAGAGCTCATCCAGACCCTCTGGGCGCCCACTCGTCATGTGGGCCCATGTTTGAC  
 CAGTTTGTGAGTTCAGGCTCCGGCTACCTGTTTCAGCCATCACCGGCTTTCCAGCCCTGGCCCCG  
 TGTTGCCTCTGCTCACACTTTGCAGATATCAACTTTTCATGGTGCAGCAGATTATCAAGTTCACCAA  
 GGATCTGCCCTTTTCCGTTCCCTGACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAA  
 ATCTTGATATCTCACTCAACTACGTTCTGCCTTCAAACACAGAATTTCTTCTGCGGGCCCTTTGCT  
 ACAAGATGGAAGATGCGGTCCATGGGTTCCAGTACGAGTTTTTGGAGTTGATCATCCACTCCACAAAAC  
 CCTGAAAAGATTGCAGCTCCAGGAGCCCGAGTATGCGCTCATGGCTGCCATGGCTCTTCTCTCCTGAC  
 AGGCTGGGGTTACCAAAGAGAAGAGATTGATCAGCTGCAGGAAGAGGTCGCGCTGATCCTCAACAACC  
 ACATTATGGAGCAACAGTCAAGACTCCAAGTCGGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270840  
**Insert Size:** 948 bp



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<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><a href="#">NM_001270840.1</a></u> , <u><a href="#">NP_001257769.1</a></u>
<b>RefSeq Size:</b>	1625 bp
<b>RefSeq ORF:</b>	948 bp
<b>Locus ID:</b>	65035
<b>Cytogenetics:</b>	13q24
<b>Gene Summary:</b>	regulatory factor that leads to the sexual dimorphic induction of CYP2B1 gene [RGD, Feb 2006] Transcript Variant: This variant (2) uses an alternate splice site at the 5' end of an exon and uses an alternate splice junction at the 3' end of an exon that extends the exon to an in-frame stop codon compared to variant 1. The resulting isoform (2) is shorter at the C-terminus and lacks a single internal aa compared to isoform 1.