

Product datasheet for **RR216282**

Nr1i3 (NM_001270839) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nr1i3 (NM_001270839) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nr1i3
Synonyms: CAR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216282 representing NM_001270839
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGCTACTCTAACACTAGAGACCATGACCAGTGAAGAAGAGTATGGGCCAAGGAAGTGTGTGGTGT
GTGGAGACCGAGCCACGGGCTATCATTCCATGCCCTGACTTGTGAGGGCTGCAAAGGCTTTTTTCAGACG
AACAGTCAGCAAGACCATTGGTCCCATCTGTCCGTTTGTGGGAGGTGTGAGGTCAGCAAGGCCAGAGA
CGCCATTGTCCAGCCTGCAGTTGCAGAAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTGAG
CAGAAGCCCTGGCACTGCGGAGAGCCAGACAGGCACGGCGGGCCAGAAAGCATCTTTGCAACTGAG
TCAGCAGCAGAAAGAGCTCATCCAGACCCTCTGGGCGCCACACTCGTCATGTGGGCCCATGTTTGAC
CAGTTTGTGAGTTCAGGCCTCCGGCCTACCTGTTTCAGCCATCACCGCCTTTCCAGCCCTGGCCCCG
TGTTGCCTCTGCTCACACTTTGCAGATATCAACTTTTCATGGTGCAGCAGATTATCAAGTTCACCAA
GGATCTGCCCTTTTCCGTTCCCTGACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAA
ATCTTGATATCTCACTCAACTACGTTCTGCCTTCAAACACAGAATTTCTTCTGCGGGCCCTTTGCT
ACAAGATGGAAGATGCGGTCCATGTAGGGTCCAGTACGAGTTTTGGAGTTGATCATCCACTTCCACAA
AACCCCTGAAAAGATTGCAGCTCCAGGAGCCGAGTATGCGCTCATGGCTGCCATGGCTCTTCTCTCCT
GGCCTGGGGTTACCCAAAGAGAAGAGATTGATCAGCTGCAGGAAGAGGTCGCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216282 representing NM_001270839
 Red=Cloning site Green=Tags(s)

MTATLTLETMTSEEEYGPRNCVCGDRATGYHFHALTCEGCKGFFRRTVSKTIGPICPFAGRCEVSKAQR
 RHCPACRLQKCLNVGMRKDMILSAEALALRRARQARRRAQKASLQLSQQQKELIQTLGATHRHVGPMD
 QFVQFRPPAYLFSHHRPFQPLAPVLP LL THFADINTFMVQQI IKFTKDLPLFRSLTMEDQISLLKGAAVE
 ILHISLNTTFCLQTQNF CGPLCYKMEDAVHVG FQYEFLELIIHFHKT LKRLQLQEPEYALMAAMALFSP
 GLGLPKEKRLISCRKRSR

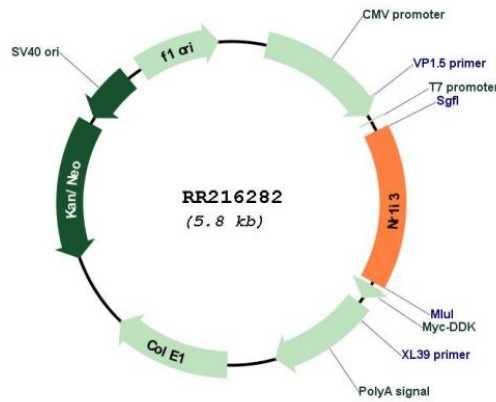
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270839

ORF Size: 894 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001270839.1 , NP_001257768.1
RefSeq Size:	1606 bp
RefSeq ORF:	897 bp
Locus ID:	65035
Cytogenetics:	13q24
MW:	34.1 kDa
Gene Summary:	regulatory factor that leads to the sexual dimorphic induction of CYP2B1 gene [RGD, Feb 2006]