

Product datasheet for **RR213416**

Nr1i2 (NM_052980) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1i2 (NM_052980) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr1i2
Synonyms:	PXR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR213416 representing NM_052980
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACCTGAGGAGAGGTGGAACCATGTTGGCCTTGTACAACGTGAAGAAGCAGATTCTGTCTTGAAG
 AGCCTATCAACGTAGATGAGGAAGATGGAGGTCTTCAAATCTGCCGTGTATGTGGGGACAAGGCCAATGG
 CTATCACTTCAATGTCATGACCTGTGAAGGATGTAAGGGATTTTTCAGAAGGGCCATGAAACGCAATGTC
 CGGCTGAGGTGCCCTTCCGCAAGGGGACCTGCGAGATCACCCGGAAGACCCGACGGCAGTGCCAGGCT
 GCCGTTTTCGCAAGTGCCTGGAGAGTGGCATGAAGAAAGAGATGATCATGTCTGATGCCGCTGTGGAACA
 GAGGCGGGCCTTGATCAAGAGGAAGAAGAGGGAAAAGATTGAGGCTCCACCGCTGGAGGGCAGGGGCTG
 ACAGAAGAACAGCAGGCGCTGATCCAGGAGCTGATGGACGCTCAGATGCAAACCTTTGACACAACCTTCT
 CCCACTCAAGGATTTCCGGCTACCTGCGGTGTTTACAGTGACTGCGAGCTTCCGGAGGTTCTGCAGGC
 CACTACTGTTGGAAGACCCTGCCACATGGAGTCAAATCATGAAAGACAGTGTCCAATGAAGATCTCTGTG
 CAGCTGCCGCGGAGAAGACGGCAGCATCTGGAACCTACCAACCTCCCTCCAAGAGCGACGGGAAAGAGATCA
 TCCCCCTCCTGCCGCACCTGGCCGATGTGTCAACCTACATGTTCAAGGGCGTCATCAACTCGCCAAAGT
 CATATCCCACTTCAGGGAGCTGCCTATCGAGGACCAGATCTCCCTGCTGAAGGGGGCCACTTTTCGAGATG
 TGCATCCTGAGGTTCAACACGATGTTTCGACACGGAAACAGGAACCTGGGAGTGGCGTCCGGCTGGCTTACT
 GCTTCGAAGACCTAATGGCGGCTTCCAGAAGCTCCTGCTGGACCCGTTGATGAAATCCACTGCATGCT
 GAAGAAGCTACAGCTGCGTGAGGAGGAGTACGTGCTGATGCAGGCCATCTCCCTCTTCTCCCAGATCGC
 CCTGGCGTGGTACAACGCAGCGTGGTAGACCAGCTGCAGGAGCGATTTGCCCTCACCTGAAGGCCTACA
 TCGAGTGTAGTCGGCCCTATCCTGCACACAGTTCCTGTTCTGAAAGATCATGGCTGCTCACCAGCT
 GCGCAGTATCAATGCCAGCAGACCCAGCAGCTACTGCGCATCCAGGACACGCACCCCTTTGCCACACCT
 CTGATGCAGGAGTTATTCAGCAGCACGGACGGCCCTCATGCAGGAGTTATTCAGCAGCACGGACGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213416 representing NM_052980
 Red=Cloning site Green=Tags(s)

MRPEERWNHVGLVQREEADSVLEEPINVDEEDGGLQICRVCGDKANGYHFNVMTCEGCKGFFRRAMKRN
 RLRCPPFRKGTCEITRKTRRQCACRLRKCLESGMKKEMIMSDAAVEQRRALIKRKKREKIEAPPPGGQGL
 TEEQALIQELMDAQMQTFDITTFSHFKDFRLPAVFNHSDCELPEVLQASLLEDPATWSQIMKDSVPMKISV
 QLRGEGDSIWNYPSPKSDGKEIIPLLPHLADVSTYMFKGVINFAKVISHFRELPIEDQISLLKGFATFEM
 CILRFNTMFDTEGTWECGRLAYCFEDPNGGFQKLLLDPLMKFHCMLKKLQLREEEYVLMQAIISLFS
 PDRPGVVQRSVVDQLQERFALTLKAYIECSRYPYAHRFLLKIMAVLTELRSINAQQTQQLLRIQDTHPFATP
 LMQELFSSTDGLMQELFSSTDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1609_b04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_052980

ORF Size: 1293 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:

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 Size: 2360 bp

RefSeq ORF: 1296 bp

Locus ID: 84385

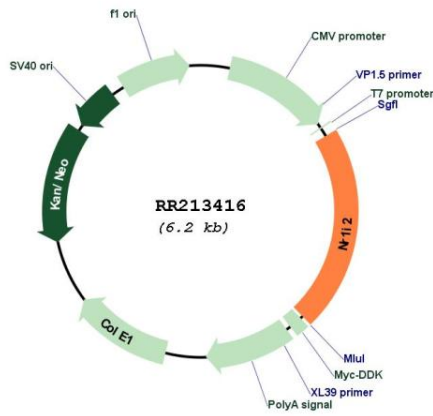
UniProt ID: [Q9R1A7](#)

Cytogenetics: 11q21

MW: 49.7 kDa

Gene Summary: involved in the induction of cytochrome P4503A (CYP3A) [RGD, Feb 2006]

Product images:



Circular map for RR213416