

Product datasheet for **MR226184**

Nr1i3 (NM_009803) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1i3 (NM_009803) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr1i3
Synonyms:	AA209988; AI551208; CAR; CAR-beta; Care2; ESTM32; MB67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226184 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCTATGCTAACACTAGAAACCATGGCCAGTGAAGAAGAATATGGGCCGAGGAAGTGTGGTGT
GTGGAGACCGGGCCACAGGCTATCATTCCACGCCCTGACTTGTGAGGGCTGCAAGGGCTTCTTCAGACG
AACAGTCAGAAAACCATTTGGTCCCATCTGTCCGTTTGTGGAAGGTGTGAGGTCAGCAAGGCCAGAGA
CGCCACTGTCCAGCCTGCAGGTTGCAGAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTCAG
CAGAAGCCCTGGCATTGCGGCGAGCCAGACAGGCACAGCGCGGGCAGAGAAAGCATCTTTGCAACTGAA
TCAGCAGCAGAAAAGAACTGGTCCAGATCCTCCTGGGGGCCACACTCGCCATGTGGGCCCATGTTTGAC
CAGTTTGTGCAGTTCAAGCCTCCGGCCTATCTGTTTCATGCATCACCGGCCTTTCCAGCCTCGGGGCCCG
TGTTGCCCTCTGCTCACACTTTGCAGATATCAACACGTTTATGGTGCAACAGATCATCAAGTTCACCAA
GGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAA
ATATTGCATATCTCACTCAACTACGTTCTGTCTTCAAACAGAGAATTTCTTGTGGGCTCTTTGCT
ACAAGATGGAGGACGCAGTCCATGGGTTCCAGTACGAGTTTTTGGAGTCGATCCTCCACTCCATAAAAA
CCTGAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCTCTTCTCCCCTGAC
AGACCCGGAGTTACCCAAAGAGAAGAGATAGATCAGCTACAAGAGGAGATGGCGTGATTCTGAACAACC
ACATTATGGAACAACAGTCTCGGCTCCAAGTCCGTTTTCTGTATGCAAAGCTGATGGGCCTGCTGGCTGA
CCTCCGGAGTATAAACAATGCATACTCCTATGAACTTCAGCGCTTGAGGAACTGTCTGCTATGACGCC
CTGCTCGGGGAGATTTGCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR226184 protein sequence
Red=Cloning site Green=Tags(s)

MTAMLTLETMASEEEYGP RNCVCGDRATGYHFHALTCEGCKGFFRRTVSKTIGPICPFAGRCEVSKAQR
 RHCPACRLQKCLNVGMKDMILSAEALALRRARQAORRAEKASLQLNQQQKELVQILLGAHTRHVGPMFD
 QFVQFKPPAYLFMHRPFQPRGPVLP LL THFADINTFMVQQI IKFTKDLPLFRSLTMEDQISLLKGAAVE
 ILHISLNTTFCLQ TENFFCGPLCYKMEDAVHGFQYEFLESILHFHKNL KGLHLQEPEYV LMAATALFSPD
 RPGVTQREEIDQLQEEMALILNNHIMEQQSRLQSRFLYAKLMGLLADLR SINNAYSVELQRLEELSAMP
 LLGEICS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009803

ORF Size: 1074 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: [NM_009803.1](#), [NM_009803.2](#), [NM_009803.3](#), [NM_009803.4](#), [NM_009803.5](#), [NP_033933.2](#)

RefSeq Size: 1428 bp

RefSeq ORF: 1077 bp

Locus ID: 12355

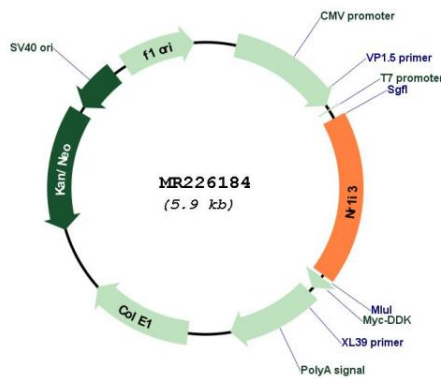
UniProt ID: [O35627](#)

Cytogenetics: 1 79.21 cM

MW: 40.8 kDa

Gene Summary: 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]

Product images:



Circular map for MR226184