

Product datasheet for MR229010

Nr1i3 (NM_001243062) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nr1i3 (NM_001243062) Mouse Tagged ORF Clone
Tag: Myc-DDK
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
ORF Nucleotide Sequence: >MR229010 representing NM_001243062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGCTATGCTAACACTAGAAACCATGGCCAGTGAAGAAGAATATGGGCCGAGGAAGTGTGTGGTGT
 GTGGAGACCGGGCCACAGGCTATCATTTCCACGCCCTGACTTGTGAGGGCTGCAAGGGCTTCTTCAGACG
 AACAGTCAGCAAACCATTGGTCCCATCTGTCCGTTTGTGGAAGGTGTGAGGTCAGCAAGGCCAGAGA
 CGCCACTGTCCAGCCTGCAGTTGCAGAAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTGAG
 CAGAAGCCCTGGCATTGCGGCGAGCCAGACAGGACAGCGGCCGGCAGAGAAAGCATCTTTGCAACTGAA
 TCAGCAGCAGAAAGAAGTGGTCCAGATCCTCTGGGGGCCCACTCGCCATGTGGGCCCATGTTTGAC
 CAGTTTGTGAGTTCAAGCCTCCGGCCTATCTGTTTCATGCATCACCGCCCTTCCAGCCTCGGGGCCCG
 TGTTGCCCTCTGCTCACACTTTGCAGATATCAACACGTTTATGGTGAACAGATCATCAAGTTCACCAA
 GGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGAA
 ATATTGCATATCTCACTCAACTACGTTCTGTCTTCAAACAGAGAATTTCTTCTGTGGGCTCTTTGCT
 ACAAGATGGAGGACGAGTCCATGCAGGGTTCCAGTACGAGTTTTGGAGTCGATCCTCCACTTCCATAA
 AACCTGAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCCTTCTCCCT
 GTTTTCTGTATGCAAAGC

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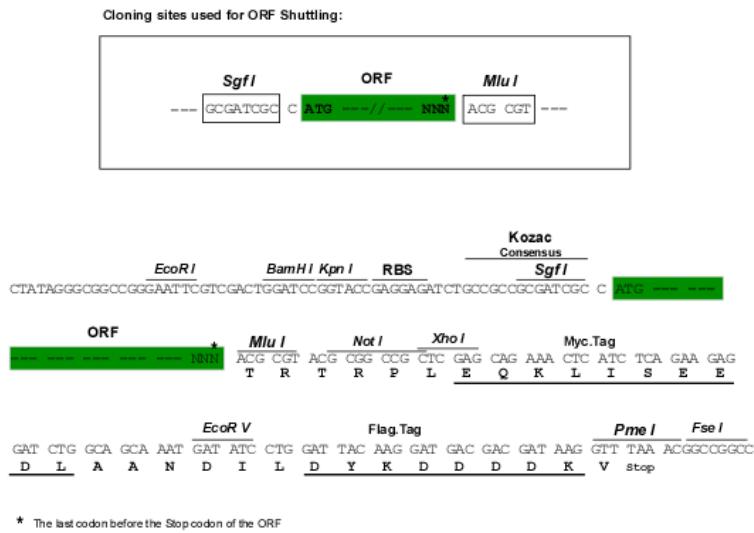
Protein Sequence: >MR229010 representing NM_001243062
 Red=Cloning site Green=Tags(s)

MTAMLTLETMASEEEYGPRNCVCGDRATGYHFHALTCEGCKGFFRRTVSKTIGPICPFAGRCEVSKAQR
 RHCPACRLQKCLNVGMRKDMILSAEALALRRARQAORRAEKASLQLNQQQKELVQILLGAHTRHVGPMFD
 QFVQFKPPAYLFMHHRPFQPRGPVLP LL THFADINTFMVQQI IKFTKDLPLFRSLTMEDQISLLKGAAVE
 ILHISLNTTFCLQTENFFCGPLCYKMEDAVHAGFYEFLESILHFHKNLKGHLHLQEPEYVLM AAT ALFSP
 GFCMQS

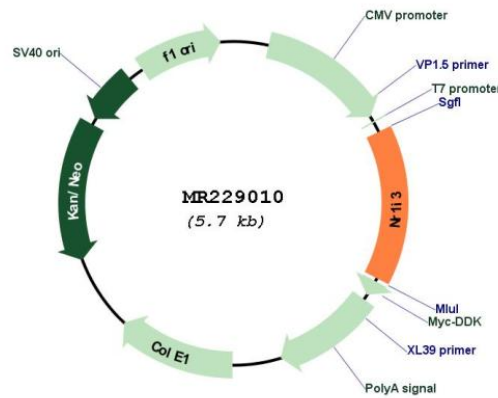
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243062

ORF Size: 858 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_001243062.1 , NP_001229991.1
RefSeq Size:	1322 bp
RefSeq ORF:	861 bp
Locus ID:	12355
UniProt ID:	O35627
Cytogenetics:	1 79.21 cM
MW:	33 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]