

Product datasheet for MR229462

Nr1i3 (NM_001243063) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nr1i3 (NM_001243063) 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: >MR229462 representing NM_001243063
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACAGCTATGCTAACACTAGAAACCATGGCCAGTGAAGAAGAATATGGGCCGAGGAAGTGTGTGGTGT
GTGGAGACCGGGCCACAGGCTATCATTCCACGCCCTGACTTGTGAGGGTCAAGGGCTTCTTCAGACG
AACAGTCAGCAAACATTGGTCCCATGTCCGTTTGTGGAAGGTGTGAGGTCAGCAAGGCCAGAGA
CGCCACTGTCCAGCTGCAGTTGCAGAAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTGAG
CAGAAGCCCTGGCATTGCGGCGAGCCAGACAGGACAGCGGCCGAGAGAAAGCATCTTTGCAACTGAA
TCAGCAGCAGAAAGAACTGGTCCAGATCCTCTGGGGGCCCACTCGCCATGTGGGCCCATGTTTGAC
CAGTTTGTGAGTTCAAGCCTCCGGCCTATCTGTTTCATGCATCACCGCCTTCCAGCCTCGGGGCCCCG
TGTTGCCTCTGCTCACACTTTGCAGATATCAACACGTTTATGGTGAACAGATCATCAAGTTCACCAA
GGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAA
ATATTGCATATCTCACTCAACTACGTTCTGTCTTCAAACAGAGAATTTCTTCTGTGGGCTCTTTGCT
ACAAGATGGAGGACGCAGTCCATGGGTTCCAGTACGAGTTTTGGAGTCGATCCTCCACTCCATAAAAA
CCTGAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCCTCTTCTCCCTGAC
AGACCCGAGTTACCCAAAGAGAAGAGATAGATCAGCTACAAGAGGAGATGGCGTGATTCTGAACAACC
ACATTATGGAACAACAGTCTCGGCTCCAAAGTCGGTTTCTGTATGCAAAGCTGATGGGCCTGCTGGCTGA
CCTCCGGAGTATAACAATGCATACTCCTATGAACTTCAGCGCTTGGAGGAACTGTCTGCTATGACGCCG
CTGCTCGGGGAGATTTGCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| ORF Size: | 1071 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_001243063.1 , NP_001229992.1 |
| RefSeq Size: | 1425 bp |
| RefSeq ORF: | 1074 bp |
| Locus ID: | 12355 |
| UniProt ID: | O35627 |
| Cytogenetics: | 1 79.21 cM |
| MW: | 41.3 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] |