

Product datasheet for MC209037

Nkx2-2 (NM_010919) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nkx2-2 (NM_010919) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nkx2-2
Synonyms: Nkx-2.2; Nkx2.2; tinman
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209037 representing NM_010919
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCTGACCAACACAAGACGGGGTTTTTCAGTCAAGGACATCTTGGACCTTCCGGACCAACGATG
 AAGACGGCTCGGTGGCCGAAGGGCCAGAGGAGGAGAGCGAAGGGCCGAGCCCGCAAGAGGGCCGGCC
 GCTGGGGCAGGGCGCCCTGGACGCTGTGCAGAGCCTGCCCTTAAGAGCCCTTTCTACGACAGCAGCGAC
 AACCCCTACACTCGCTGGCTGGCCAGCACCAGGGCCTCCAATACTCCCTGCACGGGCTGGCGGCCAGCG
 CTCCCCCAAGACTCGAGCTCCAAATCCCCAGAGCCCTCGGCTGACGAGTACCAGGACAATGACAAGGA
 GACCCAGGGCGGGGGGGACGCAGGCAAGAAGCGGAAGCGCCGAGTGCTTTCTCAAAGCGCAGACC
 TACGAGCTGGAGCGGCGCTTCCGGCAGCAGCGGTACCTGTCCGGCGCCGAGCGGAGCACCTGGCCAGCC
 TCATCCGTCTCACGCCGACACAGGTCAAGATCTGGTCCAGAACCATCGCTACAAGATGAAACGTGCCCG
 GGCGGAGAAAGGTATGGAGGTGACGCCTCTGCCCTCGCCGCGCGTGTGGCAGTGCCGGTCTTGGTCAGG
 GACGGCAAACCGTGCCACGCGCTCAAAGCCCAGGACCTGGCAGCCGCCACCTTCCAGGCAGGCATCCCCT
 TTTCCGCTACAGCGCGCAGTCGCTGCAGCACATGCAGTACAACGCCAGTACAGCTCGGCCAGCACCCC
 CCAGTACCCGACAGCACACCCCTGGTCCAGGCCAGCAGTGGACTTGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_010919
Insert Size: 822 bp



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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_010919.2 , NP_035049.1 |
| RefSeq Size: | 2049 bp |
| RefSeq ORF: | 822 bp |
| Locus ID: | 18088 |
| UniProt ID: | P42586 |
| Cytogenetics: | 2 72.63 cM |
| Gene Summary: | Transcriptional activator involved in the development of insulin-producing beta cells in the endocrine pancreas (PubMed:11076772). May also be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Binds to elements within the NEUROD1 promoter (PubMed:19759004). [UniProtKB/Swiss-Prot Function] |