

Product datasheet for MC208174

Nkx3-2 (NM_007524) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nkx3-2 (NM_007524) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Nkx3-2
 Synonyms: Bapx1; Nkx-3.2; NKX3.2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208174 representing NM_007524
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGTGCGCGGCAGCGGCACCTTGACGCCCTTCCATCCAGGCGATCCTCAACAAGAAGAGGAGC
 GCGGCGGGTTGGCTACGCCGAGGGGCGCCCGGCACCAGGGGACACAGAGGTGGCGGTGACCGCGCGCC
 CGCCGTCTGCTGCTGGCGGATCTTCGGGGAGACCAGGCGGTGCGCTGGGGGGCCGAGGACTCTTT
 CTGGCATCTCCCGCCGAACAGAACAGCCGTGGGGCAGAGCGCAGAGAGTCCGGGAGGTTGGGACTCAG
 ACTCAGCCCTGAGCGAAGAGAACGAGGGCAGGAGGCGCTGCGCCGATGTCCCGGGAGCCAGTGGAACCGG
 CCGCGCCAGGGTGACCCTGGGCCTGGACCAGCCAGGCTGCGAGCTGCACGCCCAAGGACCTGGAGGAG
 GAAGCCCCGGTCCGCAGCGACAGCGAGATGTCAGCCAGCGTTTCAGGCGACCACAGCCCAGAGGGCAGG
 ATGACAGCGTTAGCCCTGGAGGTGACGCGTGCCTGGGTTGCGCGGCGCCGCGGGCAGCGGGGCTAGCGG
 CGGGCAGGCGGGCGCGTGGAGGAGGAGGAAGAGCCCGCAGCCCTAAACCGGAAGAAGCGCTCCCGG
 GCCGCTTCTCGCACGCCAGGTCTTCGAGCTGGAGCGCCGCTTAACCATCAGCGTACCTGTCCGGGC
 CGGAGCGCGCAGACCTGGCAGCTTCGCTGAAGCTCACAGAGCGCAAGTGAAGATCTGGTTTCAGAACCG
 TCGCTACAAGACCAACGCCGGCAGATGGCCGCGACCTGCTCGCTCTGCACCCGCCCAAGAAGATG
 GCCGTAAGGTGCTGGTGCCTGACGACCAAGACAGTATTTGCCCGGAGAGGTGCTGAGGCCACCTTCCC
 TTCTGCCACTGCAGCCCTCTACTACTACCCTTACTACTGTCTCCCGGGCTGGGCGCTGTCCACGTGCGC
 GGCCGCTGCTGGTACCCAG**TGA**

CTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACG
 ATAAGGTTTAA

Restriction Sites: SgfI-XhoI
 ACCN: NM_007524



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| | |
|-------------------------------|---|
| Insert Size: | 1002 bp |
| 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_007524.3 , NP_031550.2 |
| RefSeq Size: | 1437 bp |
| RefSeq ORF: | 1002 bp |
| Locus ID: | 12020 |
| UniProt ID: | P97503 |
| Cytogenetics: | 5 22.58 cM |
| Gene Summary: | Transcriptional repressor that acts as a negative regulator of chondrocyte maturation. PLays a role in distal stomach development; required for proper antral-pyloric morphogenesis and development of antral-type epithelium. In concert with GSC, defines the structural components of the middle ear; required for tympanic ring and gonium development and in the regulation of the width of the malleus.[UniProtKB/Swiss-Prot Function] |