

Product datasheet for MC208175

Barx1 (NM_007526) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Barx1 (NM_007526) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Barx1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >MC208175 representing NM_007526
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGGCCAGGGGAGCCGGGAGCCGCGCGCTTCGGTCCGCCGAGGGCTGTGCGGATCACCGACCGC
 ATCGCTACCGCAGCTTCATGATCGAAGAGATCCTCACTGAGCCTCCGGGGCCCAAGGGCGCAGCGCCCGC
 GGCCGCCGCTGCCGCCGGGCGAGCTGCTCAAGTTCGGCGTACAGGCGCTGTGGCCGCCCGCCCTTC
 CACAGCCACCTGGCGGTGCTGAAGGCTGAGCAGGCCGCAAGTGTCAAGTCCCACTGGCCGCGCTCGGCT
 GCTCCGGGCTGGCTCGGCTTGTGGCCGCGGGCCGGGATGCCCGGCCCGCAGGCGCATCGCACCT
 GCCGCTGGAGCTGCAACTCCGCGGAAGCTGGAAGCAGCTGGCTCTGGTGAACCTGGCGGAAAGCCAAG
 AAAGGACGCCGAGTCCGACCGTATTCACTGAGCTGCAGCTGATGGGGCTGGAGAAACGCTTCGAGAAGC
 AGAAGTACCTCTTACCCTGACAGAATAGATCTAGCTGAGTCCCTGGGCTGAGCCAGTTACAGGTGAA
 GACGTGGTATCAAAATCGGAGGATGAAATGGAAGAAAATAGTGCTGCAAGGTGGCGGCTGGAGTCCCC
 ACCAAGCCCAAGGGACGGCCCAAGAAGAACTCCATCCCCACGAGCGAGCAGCTCACGGAGCAAGAGCGTG
 CCAAGGAGACAGAGAAGCCAGCGGAGACGCCGGGCGAGCCAGCGACCGAAATTGCGAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_007526
 Insert Size: 765 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_007526.4](#), [NP_031552.2](#)

RefSeq Size: 1366 bp

RefSeq ORF: 765 bp

Locus ID: 12022

UniProt ID: [Q9ER42](#)

Cytogenetics: 13 24.9 cM

Gene Summary: Transcription factor, which is involved in craniofacial development, in odontogenesis and in stomach organogenesis. May have a role in the differentiation of molars from incisors. Plays a role in suppressing endodermal Wnt activity. Binds to a regulatory module of the NCAM promoter.[UniProtKB/Swiss-Prot Function]