

Product datasheet for **MR222169**

Barx1 (NM_007526) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Barx1 (NM_007526) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Barx1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR222169 representing NM_007526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGCCAGGGGAGCCGGGAGCCGCGCTTCGG[AT]CCGCCGAGGGCTGTGCGGATCACCGAC
 CGCATCGTACCGCAGCTTCATGATCGAAGAGATCCTCACTGAGCCTCCGGGCCCCAAGGGCGCAGCGCC
 CGCGGCCCGCGTGC CGCCCGGGCGAGCTGCTCAAGTTCGGCGTACAGGCGTGTGCGCCCGCCGCCC
 TTCCACAGCCACCTGGCGGTGCTGAAGGCTGAGCAGGCCGAGTGTCAAGTTCCTCACTGGCGCCGCTCG
 GCTGCTCCGGGCTGGGCTCGGCTTGTGGCCCGGGCCTGGGATGCCCGCCCCGAGGCGCATCGCA
 CCTGCCGCTGGAGCTGCAACTCCGCGGGAAGCTGGAAGCAGCTGGCTCTGGTGAACCTGGCGCGAAAGCC
 AAGAAAGGACGCCGGAGTCGCACCGTATCACTGAGCTGCAGCTGATGGGCTGGAGAAACGCTTCGAGA
 AGCAGAAGTACCTCTCTACCCCTGACAGAATAGATCTAGCTGAGTCCCTGGGCTGAGCCAGTTACAGGT
 GAAGACGTGGTATCAAAATCGGAGGATGAAATGGAAGAAAATAGTGTCAAGGTGGCGGCTGGAGTCC
 CCCACCAAGCCCAAGGGACGGCCCAAGAAGAACTCCATCCCCACGAGCGAGCAGCTCACGGAGCAAGAGC
 GTGCCAAGGAGACAGAGAAGCCAGCGGAGACGCCGGGCGAGCCAGCGACCGAAATTGCGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222169 representing NM_007526
 Red=Cloning site Green=Tags(s)

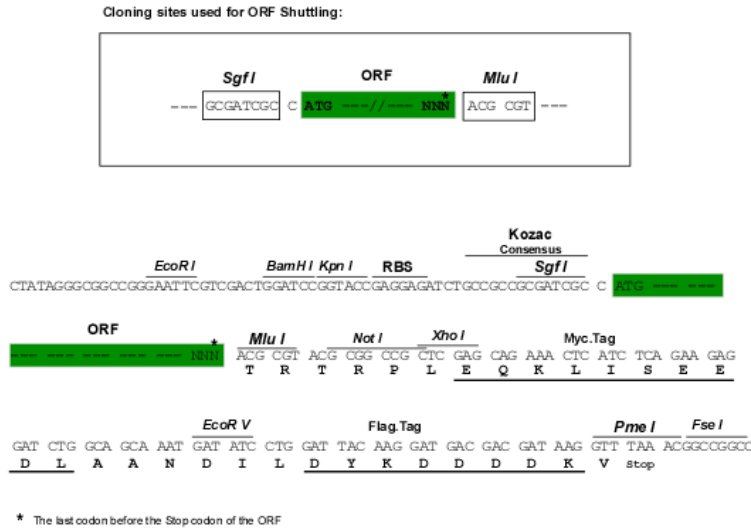
MQRPGEPGAARFXXPPEGCADHRPHRYRSFMIEEILTEPPGPKGAAPAAAAAAGELLKFGVQALLAARP
 FHSHLAVLKAEQAAVFKFPLAPLGCSGLGSALLAAGPGMPGPAGASHLPLELQLRGKLEAAGSGEPGAKA
 KKGRRSRTVFTELQMLGLEKRFKQKYLSTPDRIDLAEGLSQLQVKTWYQNRMRKWKIIVLQGGGLES
 PTKPKGRPKKNSIPTSEQLTEQERAKETKPAETPGEPSDRNCED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2172_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007526

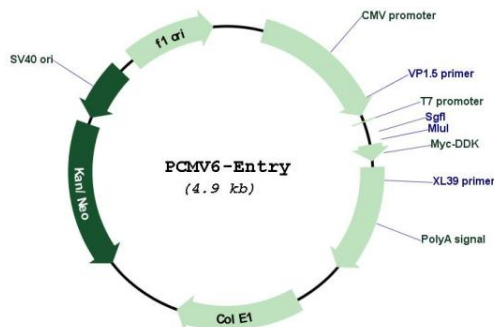
ORF Size: 765 bp

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](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_007526.4, NP_031552.2</u>
RefSeq Size:	1366 bp
RefSeq ORF:	765 bp
Locus ID:	12022
UniProt ID:	<u>Q9ER42</u>
Cytogenetics:	13 24.9 cM
MW:	27.7 kDa
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]

Product images:


Circular map for MR222169