

## Product datasheet for **MG222169**

### Barx1 (NM\_007526) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Barx1 (NM\_007526) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Barx1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG222169 representing NM\_007526  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCGGCCAGGGGAGCCGGGAGCCGCGCGCTTCGGTCCGCCGAGGGCTGTGCGGATCACCGACCGC  
 ATCGCTACCGCAGCTTCATGATCGAAGAGATCCTCACTGAGCCTCCGGGGCCCAAGGGCGCAGCGCCCGC  
 GGCCGCGCTGCCCGCGGGCGAGCTGCTCAAGTTCCGGGTACAGGCGCTGTGGCCGCCCGCCCTTC  
 CACAGCCACCTGGCGGTGCTGAAGGCTGAGCAGGCCGAGTGTCAAGTCCCACTGGCGCCGCTCGGCT  
 GCTCCGGGTGGCTCGCGTTGTTGGCCGCGGGCCTGGGATGCCCGGCCCGCAGCGCATCCGACT  
 GCCGCTGGAGCTGCAACTCCGCGGAAGCTGGAAGCAGCTGGCTCTGGTGAACCTGGCGGAAAGCCAAG  
 AAAGGACGCCGAGTTCGACCGTATTCACTGAGCTGCAGCTGATGGGGCTGGAGAAACGCTTCGAGAAGC  
 AGAAGTACCTCTACCCCTGACAGAATAGATCTAGCTGAGTCCCTGGGCTGAGCCAGTTACAGGTGAA  
 GACGTGGTATCAAAATCGGAGGATGAAATGGAAGAAAATAGTGTGCAAGGTGGCGGCTGGAGTCCCCC  
 ACCAAGCCAAGGGACGGCCCAAGAAGAACTCCATCCCCACGAGCGAGCAGCTCACGGAGCAAGAGCGTG  
 CCAAGGAGACAGAGAAGCCAGCGGAGACGCCGGGCGAGCCAGCGACCGAAATTGCGAGGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG222169 representing NM\_007526  
 Red=Cloning site Green=Tags(s)

MQRPGEPGAARFGPPEGCADHRPHRYRSFMIEEILTEPPGPKGAAPAAAAAAGELLKFGVQALLAARPF  
 HSHLAVLKAEQAAVFKFPLAPLGC SGLGSALLAAGPGMPGAGASHLPLELQLRGKLEAAGSGEPGAKAK  
 KGRRSRTVFTLQLMGLKRFKQKYLSTPDRIDLAESLGLSQLQVKTWYQNRMMKWKIIVLQGGLESP  
 TKPKGRPKKNSIPTSEQLTEQERAKETKPAETPGEPSDRNCED

**TRTRPLE** - GFP Tag - V



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<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<p><a href="#">NM_007526.4</a>, <a href="#">NP_031552.2</a></p>
<b>RefSeq Size:</b>	<p>1366 bp</p>
<b>RefSeq ORF:</b>	<p>765 bp</p>
<b>Locus ID:</b>	<p>12022</p>
<b>UniProt ID:</b>	<p><a href="#">Q9ER42</a></p>
<b>Cytogenetics:</b>	<p>13 24.9 cM</p>
<b>Gene Summary:</b>	<p>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]</p>