

Product datasheet for **MG203352**

Barx2 (BC012684) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Barx2 (BC012684) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Barx2
Synonyms:	2310006E12Rik; Barx2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203352 representing BC012684 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGATGAGATCCTCTCCAAGGAGACCTGCGACTACTTTGAGAACTTCCCTCTACTCTGTGTGCC
CGTCGCTGGTGGTGCGACCCAAGCCCCTGCACTTTGTACCGTTCCCTTCCCTACGGGATATCCTCT
CCTGTCTGTGATACCCGGCAGCCACAGTCATCTCCACCTGGTCCCACCGGCTCGGGACTCACCCCA
GTGTTAACTCGCCATCCAGTCGCCGCTCGGAGCGCGGCTGCTGCTGCTGAGACCCCTGGTGGT
AGGCGTTAGCCAGCAGCGAGTCAGAGACAGAACAGCCCACGCCAGGCAGAAGAAACCACGCAGAAGTCG
CACCATCTTACCGAGCTGCAGCTCATGGGCCTAGAGAAGAAATCCAGAAGCAGAAGTATTTGTCTACC
CCAGACAGGTTGGACTTGGCCCAGTCTCTGGGACTCACTCAGCTGCAAGTGAAGACTTGGTATCAGAATC
GCAGGATGAAATGGAAGAAGATGGTCCTTAAAGGTGGACAGGAAGCACCCACAAAACCTAAGGGCGCCC
TAAGAAGAACTCCATTCCCACATCAGAGGAGATTGAAGCTGAAGAGAAGATGAACAGCCAGGCTCAGAGC
CAGGAGCTGTGGAATCCTCGGAGAGACAGGAGGAGCCCTGTGATACCCAGGAGCCCAAAGCGTGCCTTG
TCCCTTGGAGGTGGCAGAACCTATTCACCAGCCCCAGGAGTTATCAGAAGCTTCTCTGAACCCCCACC
ATTAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203352 representing BC012684
 Red=Cloning site Green=Tags(s)

MIDEILSKETCDYFEKLSLYSVCPSLVVRPKPLHSCTGSPSLRAYPLLSVITRQPTVISHLVPTGSGLTP
 VLTRHPVAASEAAAAAAETPGGEALASSESETEQPTPRQKKPRRSRTIFTELQLMGLEKKFQKQKYLST
 PDRLDLAQSLGLTQLQVKTWYQNRMRKWKMKMVLKGGQEAPTKPKGRPKKNSIPTSEEIEAEKMNNSQAQS
 QELLESSERQEPCDTQEPKACLVPLEVAEPIHQPELSEASSEPPPLS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC012684

ORF Size: 779 bp

OTI Disclaimer: 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:

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: [BC012684](#), [AAH12684](#)

RefSeq Size: 1549 bp

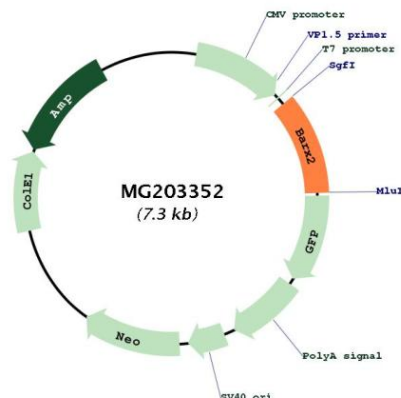
RefSeq ORF: 779 bp

Locus ID: 12023

Cytogenetics: 9 A4

Gene Summary: Transcription factor. Binds optimally to the DNA consensus sequence 5'-YYTAATGRTTTY-3'. May control the expression of neural adhesion molecules such as L1 or Ng-CAM during embryonic development of both the central and peripheral nervous system. May be involved in controlling adhesive processes in keratinizing epithelia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203352