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Product datasheet for MR203352

Barx2 (NM_013800) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Barx2 (NM_013800) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Barx2
Synonyms:	2310006E12Rik; Barx2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR203352 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGATGAGATCCTCTCCAAGGAGACCTGCGACTACTTTGAGAAACTTTCCCTCTACTCTGTGTGCC
CGTCGCTGGTGGTGCGACCCAAGCCCCTGCACTCTTGTACCGGTTCCCCTTCCCTACGGGCATATCCTCT
CCTGTCTGTGATCACCCGGCAGCCCACAGTCATCTCCCACCTGGTTCCCACCGGCTCGGGACTCACCCCA
GTGTTAACTCGCCATCCAGTCGCCGCCTCGGAGGCGGCGGCTGCTGCTGCTGAGACCCCTGGTGGTG
AGGCGTTAGCCAGCAGCGAGTCAGAGACAGAACAGCCCACGCCCAGGCAGAAGAAACCACGCAGAAGTCG
CACCATCTTCACCGAGCTGCAGCTCATGGGCCTAGAGAAGAAATTCCAGAAGCAGAAGTATTTGTCTACC
CCAGACAGGTTGGACTTGGCCCAGTCTCTGGGACTCACTCAGCTGCAAGTGAAGACTTGGTATCAGAATC
GCAGGATGAAATGGAAGAAGATGGTCCTTAAAGGTGGACAGGAAGCACCCACAAAACCTAAGGGGCGCCC
TAAGAAGAACTCCATTCCCACATCAGAGGAGATTGAAGCTGAAGAGAAGATGAACAGCCAGGCTCAGAGC
CAGGAGCTGCTGGAATCCTCGGAGAGACAGGAGGAGCCCTGTGATACCCAGGAGCCCAAAGCGTGCCTTG
TCCCCTTGGAGGTGGCAGAACCTATTCACCAGCCCCAGGAGTTATCAGAAGCTTCCTCTGAACCCCCACC
ATTAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

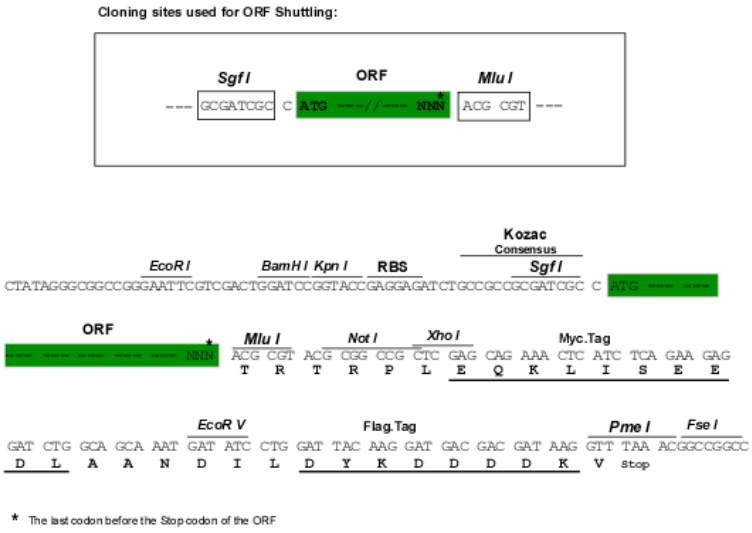
>MR203352 protein sequence
Red=Cloning site Green=Tags(s)

MIDEILSKETCDYFEKLSLYSVCPSLVVRPKPLHSCTGSPSLRAYPLLSVITRQPTVISHLVPTGSGLTP
VLTRHPVAASEAAAAAAAETPGGEALASSESETEQPTPRQKKPRRSRTIFTELQLMGLEKKFQKQKYLST
PDRLDLAQSLGLTQLQVKTWYQNRRMKWKKMVLKGGQEAPTKPKGRPKKNSIPTSEEIEAEEKMNSQAQS
QELLESSERQEEPCDTQEPKACLVPLEVAEPIHQPQELSEASSEPPPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013800

ORF Size: 780 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: NM_013800.2, NP_038828.2

RefSeq Size: 1791 bp

RefSeq ORF: 852 bp

Locus ID: 12023

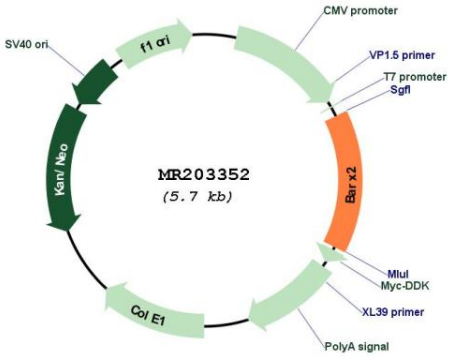
UniProt ID: O08686

Cytogenetics: 9 A4

MW: 28.7 kDa

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

Product images:



Circular map for MR203352