

Product datasheet for **MG203702**

Brix1 (NM_026396) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brix1 (NM_026396) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Brix1
Synonyms:	1110064N10Rik; Bxdc2; C76935
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203702 representing NM_026396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGACCAAGAGAAAGCGGCGTGGAGGCTTGGAGGTTCAAGCGAAGAAGCCAAAAAGGAGCTCGA
AAGATGCCGGGCAGCCAGCTAAGCAGGCCGATGTGGCCAAAGAGGCGGAGGAGGAAAATAGAGATCGTAT
TCCAGGTCGGTTTCAAGGGCAAATGGAAAAAAGGAACGGATCCTCATCTTTTCTCCAGAGGAATA
AATTTCAAGCAAGACACTTAATGCAGGACTTGAGAATGTTGATGCCTCATTCTAAAGCAGATACTAAAA
TGGATCGTAAAGATAAATATTTGTGATAAATGAGGTCTGTGAAATGAAAAATTGCAACAAATGCATCTA
CTTTGAAGCTAAGAAAAACAGGATCTCTATATGTGGCTTTCAAATTCACCTCATGGTCCATCTGCCAAA
TTCTTGTTCAAAATATTCATACCTGGCTGAATTAAGATGACTGGAACCTGTTTGAAAGGTTCTCGGC
CCCTTTTGCTTTTGACCCTGCTTTTGATGACTTGCCACATTATGCTTTGTTAAAGGAATTCCTAATTCA
GATCTTCAGTACGCCACGATACCATCCCAAGAGTCAGCCGTTTGTGGACCACGTGTTTACGTTTACCATT
CTGGATAACAGGATATGGTTCGGAACTCCAGATTATAGAAGAAGACGCTGCTCTAGTGGAAATAGGAC
CTCGTTTTGTTTTAAATCTATAAAGATTTTTAGGGAAGCTTTGGAGGACCAACCTTATATGAAAAATCC
TCATTACCAGTCTCCAAACATGCATCGGCGTGCATAAGATCCATCACAGCTGCCAAGTATAGAGAGAGA
CAGCAAGTCAAAGATGTTTCAGAACTGAGGAAGAAGAACCAAGACTATCCTTCCACATGACCCCACTG
CAGACGTGTTTGTATACAGCGGAGGAGAAGCCAGTAGAAATACAGTGGGTGAAACCAGAGCCTAAAGT
AGATCTGAAAGCAAGGAAGAGACGGATTTACAAAAGGCATCGGAACTGCAACAGAAGATGAGCAGAGGG
AGTGCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203702 representing NM_026396
Red=Cloning site Green=Tags(s)

MAATKRKRGGLEVQAKPKRSSKDAGQPAKQADVAKEAEEENRDRIPGPVCKGKWKNERILIFSSRGI
 NFRTRHLMQDLRMLMPHSKADTKMDRDKL FVINEVCEMKNCKICYFEAKKKQDLYMWL SNSPHGPSAK
 FLVQNIHTLAELKMTGNCLKGSRPLL SFDPAFDDLPHYALLKEFLIQIFSTPRYHPKSQPFVDHVFFTI
 LDNRIWFRNFQII EEDAALVEIGPRFVLNL IKIFQGSFGGPTL YENPHYQSPNMHRRVIRSITAACYRER
 QQVKDVQKLRRKEPKTILPHDPTADV FVIPAEKPFVEIQWVKPEPKVDL KARKRRIYKRHRKLQQKMSRG
 SAK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026396

ORF Size: 1059 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_026396.3](#), [NP_080672.3](#)

RefSeq Size: 2654 bp

RefSeq ORF: 1062 bp

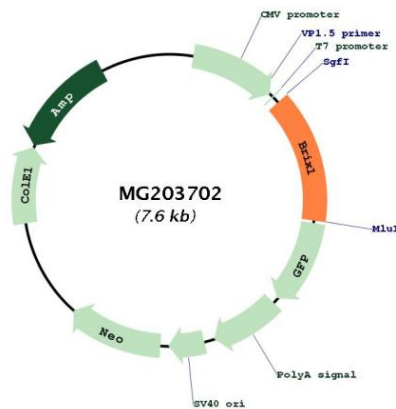
Locus ID: 67832

UniProt ID: [Q9DCA5](#)

Cytogenetics: 15 A1

Gene Summary: Required for biogenesis of the 60S ribosomal subunit.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203702