

Product datasheet for **MG208893**

Gm323 (BC079879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm323 (BC079879) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm323
Synonyms:	Gm323
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG208893 representing BC079879
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCCCTGGCTCGGCCGCGGAGAGAGCGCCGCGCGCGCGCGCGGTGGCGGCTCCGGGGTCC
 CAGAGGAGCCCATGGCATCGGCGGACGAGGGCCCCGCGCGAGAGGAGCAGCGGCCATCCAGCCCTCTT
 CACCAAATCTCTCTGCCGGGAGTCTCACTGGAAGTGCCTCCTGCTCTCCCTGCTCATGTACGGCTGCCTG
 GGGCAGTGGCTGGTGCACGTACACAGTGACGCGCCTCACCTTCAGCAGCGCTACCAGGGCAATA
 GCCTCATGTACCACGACAGCCCTGCTCCAACGGCTACGTCTACATCCCCCTGGCCTTCTGCTGATGCT
 CTACGCGTCTACCTGGTGGAGTGTGGCACTGCCAAGCCGCCACGAGTGCAGACCGGTGGATGTG
 AGTAGCGTTCAGGAGCGGTGGGCCGATGCAGCAGGCCACCCCTGCATCTGGTGAAGGCCATCAGTT
 ATCACTACGTCCGACGAACGACAGGTACCCGATACCGCAATGGAGATGCCTATACTACTACCGAGT
 CTACCACGAGCGGTCAACACACAGTGGCGGAGGCCGAGTTCGACTATGCGCGTGTGGCGTCCGGGAT
 GTGTCCAAGACGCTGGTGGGGCTGGAGGGCGCGCCGCCACGCGCTGCGCTTCACCAAGTGCTTACGT
 TCGCCAGCGTGGAGGCTGAGAACCGTACCTGTGCCAGCGCGCGCTTCTTCGCCGAGAACGAGGGCTT
 GGATGACTACATGGAGGCGCGAGAGGGCATGCATCTCAAGAACGTGGACTTTCGCGAGTTCATGGTGGCT
 TTCCCCGACCCGGCTCGGCCGCCCTGGTACGCCTGCTCGTCGGCTTCTGGGCGGCGCCCTGCTCACGC
 TGTCTTGCCGCTGCGCGTGTGGCCGAGTACCGCACGGCGTATGCGCACTATCAGTGGAAAAGCTCTT
 TGGTCTGGAGGGACCGGGCTCGGCCAGTAGCGTGGGCGGCGGCTGAGTCCAGCGACGAGCTGCTGCC
 CCGCTCACACATCGTCTGCCCGGGTCAACACGGTGGACAGCACGGAACGAGTGGCACATCCGTTCTA
 ATCAGCAGCTGGTACCCAGTACTCGGAGGTGTTGCTTATGGACCTGGTCGAGCTGGGCTCACGTCGCG
 CGGGCCAGGGGGTAGCTACGTGCCAGGTGTGCTACGGAGGGTGGTGGCCCGGGCGCGCGGGCGGTG
 ACCCCGCACTGGCGAGCTGCGAGCACTGTACGAGCGGTGAGCAGCTCGTCCATCTTCTCGCGCAGCG
 CGCTGAGTATCTGCGCCAGCCGCGGGCTGCCAGGGCCCTGGAGCGAGCGCGGGGTGTGGGGCAGCCG
 CTTCTCGCTCAGCCGCTCTACGGCTCCCGGCGCAGCTGCCTGTGGCGCAGCCGAGCGGGAGTGTCAAC
 GAGGCGAGCTGCCCCACGGAGCAGACGCGTCTGTGAGCCAGGCCAGCATGCGGGACAACGAGGAGGACG
 AGGACGAGGAGGAGCGGGGCCACCGCCGCCCTACCAGGACGCCCTCTGTTCCCTGTCTCATCGTCCA
 TCGGCAGGAGGGGTGTCTGGGCCACAGCCACCGGTCACTGCACCGCCATGGCTCTGCTGGAGACCTCA
 CTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

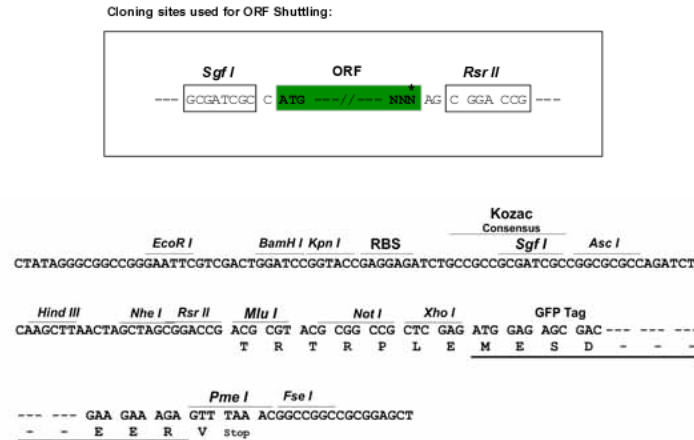
>MG208893 representing BC079879
 Red=Cloning site Green=Tags(s)

MSPPGSAAGESAGGGGGGGSGVPEEPMADEGPAREEQRPIQPSFTKSLCRESHWKCLLLSLLMYGCL
 GAVAWCHVTTVTRLTFSSAYQGNLSMYHDSPCSNGYVYIPLAFLMLYAVYLVECWHCQARHELQHRVDV
 SSVQERVGRMQQATPCIWWKAISYHYVRRTRQVTRYRNGDAYTTTQVYHERVNTHVAEAEFDYARCGVRD
 VSKTLVLEGAPATRLRFTKCFASFASVEAENAYLCQARFFAENEGLDDYMEAREGMHLKNVDFREFMVA
 FPDPARPPWYACSSAFWAAALLTSLWPLRVLAERYTAYAHYHVEKLFGLEPGSASSVGGGLSPSDELLP
 PLTHRLPRVNTVDSTELWHIRSNQQLVPSYSEVLLMDLVELGSRGPGGSYVPRCRYGGVGGPGAAGV
 TPHWRSCEHCQRAVSSSIFSRALSICASPRAAQPGASAGCGGSRFSLSRLYGSRRSCLWRSRSGSVN
 EASCPTEQTRLSSQASMRDNEEDEDEEEAGPPPPYQDALCFPVLIVHRQEGCLGHSRSLHRHGSCVETS
 L

SGP**TRTR**LE – GFP Tag – V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: BC079879

ORF Size: 1683 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC079879](#), [AAH79879](#)

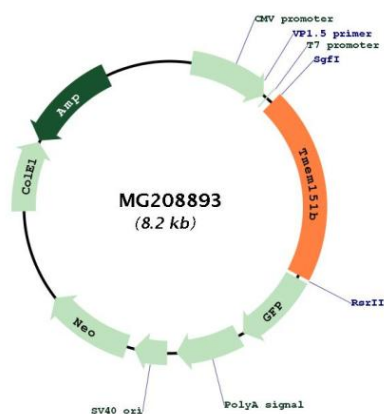
RefSeq Size: 4859 bp

RefSeq ORF: 1685 bp

Locus ID: 210573

Cytogenetics: 17 B3

Product images:



Circular map for MG208893