

Product datasheet for **MG206718**

Iqcc (BC031493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqcc (BC031493) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Iqcc
Synonyms:	BC026978
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206718 representing BC031493 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATCCCGACCTTTTCCTTCGAAAGGTGTCTACATTGCAGGCCGGCTTCGAGGCTTCTTGGTCCGAC
GTCAATTCAGAGCCTTCGAGCCGAGTATGAGGCAATTGTACAGGAGATTGAGGGTGACCTCAGCACTCT
TCAGTGGACTGGGGCTGGATCCCAAGCCGTATTTCTCCAGAGGCCAAATCTCATCAGTCCTGGAAA
GCGGAGAAAAATCAAAACCAGAGCAGAACTATGGAGCCATTCACACATAAAGACTCTGAAAAAGAGC
TCATTTGGGAGGAGATGGTGCTGAAGAAGACAGAAAAGAGCCAGCAATCCAGGAAGTCTTGCAGAGG
TGACAGCGCTGGCCGAGGCTGAGCAGGGCAGGAAAGCCAGCCAGGGAAACAGCCAAGATACCTCTGTC
TCCAAGATGGAATGCAGACCTAGGATTGTCCAGAGCCAACAGGAGCTCCAGGAGCAGCGCAACCACT
TAGCCATGGAGCTGCTGTGGCTACAGCAGGCCATCAACAGTCGAAAGGAGTACCTAATTCTCAAGCAAAAC
ACTGAGATCCCAAGCAAGCCAGACCAGAGACAAGCACAGGGGACAGGCCTATGAGAAGACCTCGTTG
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ACTCCAGCCACAAGGGCAGATTGAAGCCCCAGAAACACCCAGACAGTGTGACCAAGTGCAGGTAAACAC
TGCTGGGTCTAAAGGCAGGGAGCTCTGCTATAGGAACTCTGCATCACAGCTGCCTGCAGCATTAGAGAGC
CAGGCTGGAGGGACAGGGTCACCAAAGGGCCAGACCACAGAGGACAGCCCTTTAAGGAAACCTCCCTAC
AGCAGTTGAAAGTCCTAGAGGATCAGATCCCTGGGGACCTCAAGTTTAGGAGTCCTTGTCTAGAAAGGC
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AAGGAGGCTGACAGCCGAAGCGCTGGGCCTGTGATTTGAGTATCTCAGAAGGCCACATGATTTGGGATG
AGACCTTGGCAGGGCAGGAACAAGGTAGCCTGGATCTCATTAGGACTAAACCAACCAAGGCCAACCCCC
GAGTGCTGGCTCTTCAGGCCATGGAAATACCAAGTGAAGCTAGTCCAGAAGGATGGAAAACTGTGGGATT
CTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206718 representing BC031493
 Red=Cloning site Green=Tags(s)

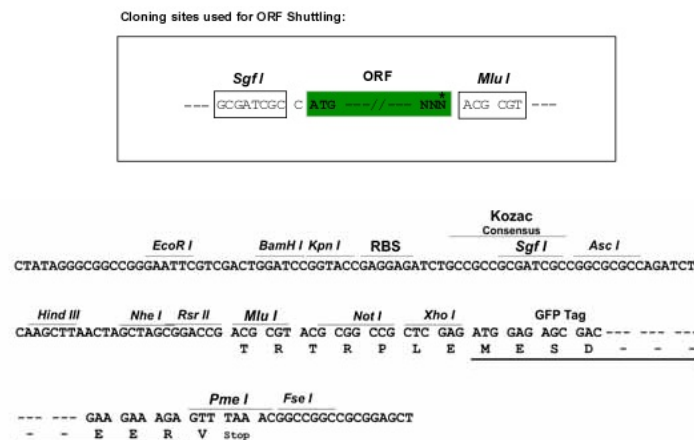
MDPDLFLRKVSTLQAGFRGFLVRRQFQSLRAEYEAIVQEIEGDLSTLQWTGGWIPKPVFLPEAKSHQSWK
 AEKISNPEQKLWSHSPHKDSEKELIWEEMVLKKTEKSPANPGSLCRGDSAWPQAEQGRKASQGNSQDTSV
 SKMENADLGLSQSQQLQEQRNHLAMELLWLQQAINSRKEYLILKQTLRSPEASQTRDKHRGQAYEKTSL
 HSSCVLDNQSYRDRIIGESHHAEDSSHKGRLLKPKHPDSVTSAGKTTAGSKGRELCYRNSASQLPAALES
 QAGGDRVTKGPDHRGQPFKETSLLQQLKVLLEDQIPGDLKFRSPCSRKAETQLPTLSENLNIEDRYSRKPRY
 KEADRSAGPCDLSISEGHMIWDETLAQEQGSLDLIRTKPPKSQPPSAGSSGHGNTSELSPGWKNCGLQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC031493

ORF Size: 1266 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: [BC031493](#)

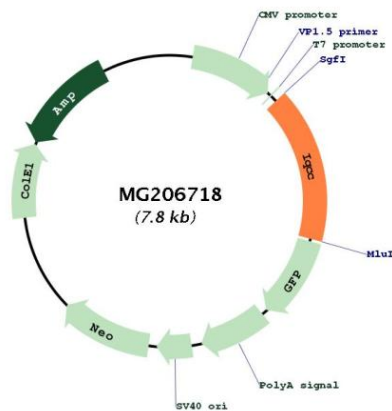
RefSeq Size: 2613 bp

RefSeq ORF: 1268 bp

Locus ID: 230767

Cytogenetics: 4 D2.2

Product images:



Circular map for MG206718