

Product datasheet for **MG200271**

BC096558 Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BC096558 Mouse Tagged ORF Clone
Tag: TurboGFP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200271 representing BC096558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACACCGGTGTGATTGAAGGTGGATTAAATGTCACTCTCACCATCAGGCTACTTATGCATGGAAGG
 AAGTTGGCAGTATCATCGAAAGAAAGGAGAATCTGTTAAGAAGATGCGCGAGGAGAGTGGTGCACGTAT
 CAACATCTCAGAAGGGAATTGCTCTGAGAGAATTATCACTTTGGCTGGACCGACTAATGCCATCTTCAA
 GCCTTTGCTATGATCATTGACAACTGGAAGAGGTTTGTGTACCTTTATGATTGCCTCCTCTCCATA
 CCAGGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200271 representing BC096558
 Red=Cloning site Green=Tags(s)
 MDTGVIEGGLNVTLTIRLLMHGKEVGSIIKKGESVKKMREESGARINISEGNCPERIITLAGPTNAIFK
 AFAMIIDKLEEVCTFMIASSSHTRQ

TRTRPLE - GFP Tag - V

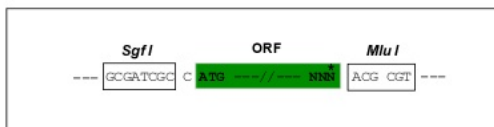
Restriction Sites: SgfI-MluI



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Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac
Consensus

EcoRI BamHI KpnI RBS SgfI AscI

CTATAGGGCGGCGGGGAATTCTGC TACTGGATCCGGTACCGAGGAGATCTGCCGCCGCATCGCCGCGCGCCAGATCT

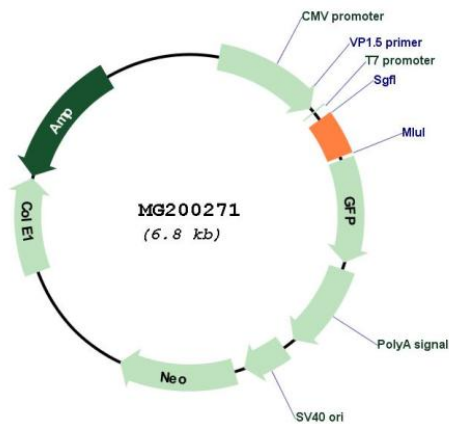
HindIII NheI RsrII MluI NotI XhoI GFP Tag

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG ACG GAC --- --- ---
T R T R P L E M E S D - - -

PmeI FseI

--- --- GAA GAA AGA GTT TAA ACGGCGGGCGCGGAGCT
- - E E R V Stop

Plasmid Map:



ACCN: BC096558
ORF Size: 290 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:	<ol style="list-style-type: none">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:	BC096558
RefSeq Size:	683 bp
RefSeq ORF:	290 bp