

## Product datasheet for **MG215117**

### **A430078G23Rik (NM\_001033378) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** A430078G23Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PSI00010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215117 representing NM\_001033378  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTCTGAGCCAAGCCATATGCCAGCCCCTGGACTCTGCAGCTGCAGCCTCAACCACCAAGGTA  
GCTGTGGACCCAGGAAACCTGAGAATCCAGATTTCTTCTCAACTGTGGAAGATGAGCAGGCAGATGGTTT  
TCTGAGGCACCTCAGCGAGAGCACAGAAGACTTCAGCCTGGATATGGGAGCCCTTCAGGGCAGCGAGTAC  
CTCCGGGATCTAGGCTTAGGGGCCCTTCTGACCTCCATCAGTCTGAAGTGATTATGGACCTGAGACCC  
ACAGACAAGAAGCCAGAAGAGAGTCTCCACACAAGCTGTGAAGGAGCTTCGGCCCTGCCACAAAGACG  
CAGCTGGGAGAGGTCCCGGAGCTGCTCAGGGAGCTGTGAAGGCTCAGCCTTGATGCCTCCACGGTGGAC  
AAAGGGCCTGTCTCCCCGGACTCTGGCTAGCCTTGCTCTGAATCTGTCTGGAAATGGGCAGAAGATTT  
GGACCAAGGATGCTTACCTGTGCTGAGTGGACACCAAGCACCCTCAAGCAAGGAATGTAGCAGCCCTGAGAA  
AAGGCTAAGATCCAAGTCAGTGCCTGTGCTGTGAGATCAGCTGTATGGAAGTGGCTTCAGACTCAGAT  
GTGTGCACATCACCTGTACAAGCCTTGAACCCCGGTGCTGGAGTGGTTGGAAAAGGACCATGTGGAGC  
CAGAACATGTGTTGATAGTACAACAGGTGCTTCAGGAGCTGAGGCAGTATCATGGGGCCCTCAGCGAGC  
TCGCATGTCCACCAGCCCTGGAGGAGCCCACTCCAACCTCACCTGGTTTGGATTCTGTCTGAGAGCGAG  
GATGGTGCCTGCAAGATTGAGAAGCCCGCAAGAGCACCAGAGTGAAGCGCAGCCTGAGCTCCCTCCGCA  
GCAGGGTACGAGGCAGAAGGAGAAGGGGAAGAGTCCAGCACATCTAAAAGATAAGACTCAGGATCTTCC  
AGGGAAGCGGGAGTGTGCAATGGGCACCAGCTGATGCGAGGAACCTTTCGGGCCACTCCAGCTGCTCCT  
CTGTGTGGCAACCTTTGCTGAACTCAGCACTGGGACCTGGCTGGCCAAGGTGATGTTATCTACAGGTGT  
CGGGTTTCTCCACACCTTCTTGCACATTCTGGTAGCTCTCCAACCTCGTGACAGCATCATCTACAATG  
TTCTTGTGTGCACACTGGAGTCCAAACTCTTGTCTTTTTTCTTCCACTGTATGTGTGCTTATTCA  
CGTGTGCACTTAAAGGTGCTCGTGTATGAACACCAAAGAACAAGCTTGGCAGTCTTTCTCGTATGCCTT  
TCCATCATGGTTAATGTGTGATTTGTGTCCAGGTGAATCCATGTACATACATGCACACATGTCCTCGTG  
CATGTGGAGGCTAGGGATTAATTCTGGGTACCTGCCTCTATCACTCTCCACA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



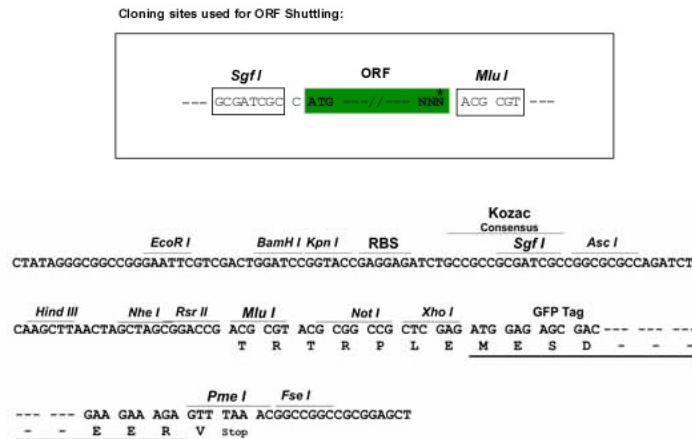
**Protein Sequence:** >MG215117 representing NM\_001033378  
 Red=Cloning site Green=Tags(s)

MGSEPKPYAQLDSAAAATTKGSCGPRKPNPDFSTVEDEQADGFLRHLESTEDFSLDMGALQGSEY  
 LRDGLGAPSDLHQSEVIMDPETHRQEARRESSHTSCEGASALPQRRSWERSRSCSGSCRRLSLDASTVD  
 KGACLPRTLASLALNLSGNGQKIWTQGCLPVSGTPAPSSKECSSPEKRLRSKSVVPSCEISCMELASDSD  
 VCTSPVQGLEPPVLECLEKDHVEPEHVLIVQQVLQELRQYHGARQARMSTSPGGAHSNLTWFEFLSESE  
 DGACKIEKPGKSTRVKRSLSSLRSRVTRQKEKGSAPHLKDKTQDLPGKRECVNGHQLMRGTFSGHSSCP  
 LCGPELLNSALGPGWPRSCYLQVSGFSTPFLHILVALQPRDSIILQCSCVHTGVPNSLVSF5FHCMCAYS  
 RVHLKVLVYEHQRTSLAVFPRMPFHHGLMCDLCPGESMYIAHAMSSCMWRLGINSGYLPLSLST

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001033378

**ORF Size:** 1452 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:** [NM\\_001033378.3](#), [NP\\_001028550.2](#)

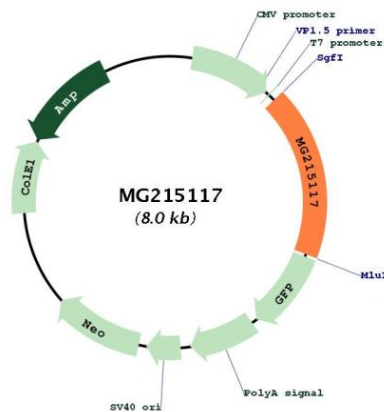
**RefSeq Size:** 2970 bp

**RefSeq ORF:** 1455 bp

**Locus ID:** 319493

**Cytogenetics:** 8 A1.1

**Product images:**



Circular map for MG215117