

## Product datasheet for **MG215353**

### **Mcf2 (NM\_133197) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Mcf2
<b>Synonyms:</b>	B230117G22Rik; Dbl; Mcf-2
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MG215353 representing NM\_133197  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCAGAAGCAATCCCCGAGAGGCAAGATGAGGTTTCAGAAGGAATGCGGCCTCCTTCCTGGGAGCT  
TACACTTAGTCCTGGTTTTGCGTCCTACCAGTTTTCTCAACGGACTTTCACGGACATTGGATTTGCGATT  
TAGCCAGGAGGATTTATGCTGAAATTACCAGTTGTTATGCTGAGCTCAGTTAGTGATTTGCTGACATAC  
ATTGATGACAAGCAGTTAACCCCTGAGTTAGGCGGCACCTTGCACTACTGCCACAGTGAATGGATCATCT  
TCAGAAATGCCATAGAGAAGTTGCTGTACAGTGAAGAAATGGCTCAGATGTTGCAATCCTTTGGAAC  
AGAAATGGCTGAAACAGAGCTACCACAGGATATCCTTTCAATAGAAGAGATTCTGGCAGGTGAGCCGAA  
AGGTATCACCTGTTGAAGAATGACTTAAGTCTGTAACCAAAGAAGGAAAAGTTCTGCTCATGAACCTGC  
AAGTGCCTGCCACTGAAGAACTGTCAAGCTTGAATGACTCAGCACATAAATGGCGACTGGCA  
AACTATTAAGAAAGTTGCTGGCTCAGGTGCATGATATGAAAAGTCTTTTGATGGATTTGGGAAAAACAT  
CAGCTGAAAATGGAGCAGTATCTGCAACTGTGGAAGTTTGAACAAGACTTTCAGAGGCTGTGACTCAAG  
TTGAATTTTTATTAAGTCAACAAGAGAAGTGGGTGATATAACAGGGAAGTCTAGCTCAAGTAAAAACAAG  
ACTTAAAAAAGTAGAGATCTTAGATGATAAATCTCAGGAAGTGAACCAAGGCCCGGATTTGTGATACTA  
CGTGCCACAAGCTGGCATCGAATCACCCTATGCCTTGAATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG  
GCTACCTTTCTGATATTTTAGTTAATGAGATCAGAAACAAGCGGGTCCAAGTGAAGCAGGACTTTCAGGAG  
GCATAGACTCTTACAGCAGGCAGTGTGATCAAGGGGAATGCCTCCTGGCTAGCCAAGGAATG  
GATAAGTTTCAGACTAAAGAAGATGCTCAGAAAGCCCTTCAGGATGTGGACAATTTCTTCAATAGGCCA  
TGCCCTTTCATCAATATGATATCGAAAGCCTGCAATATGAATTTGATGACTCCTATCTCCTGAACTCAA  
GGCTCAAAATGCAGAAATACAACAAAGCTTGAAGAAATTCGAAAGTGCATTTCAAGAACCAACAGGCTGGT  
TGTAAGAGCCTAAAAGAAGTACCCGAGGGGGCTTCCAGAAGTGGTTCCTGCATCTGAAAATGTGATGC  
GGTCCAGAATGATATCTTTTACCAGAAACATGTGAAAAGTCTTGGAGACAGATTCACGCTCAGAGCAA  
TGTGAAAGTTGAAGCCGTTGAGGATAGCCAAGAGAAGAATCTGATCAGTCTCCCAATTTGGACAATAGC  
TTGGATATTTTAAAGAACCATGCTCCTAAATGAGCTGATACAGACAGAGAGCATATGTTCCGAGAGCTGT  
TTACTGTTTTGTTGGGCTACAGATCTGAGATGGACAATCCACAGATGTTTGTCTTATGCCACCTCTCCT  
GAGAAATAAAAAGGATGTTCTCTTTGGAAATATGGCAGAAATACGAATTCATAACAACATTTTCATG  
AGCAGACTGGAAGATTGCTCTGATGCTCCAGAAAGAGTGGGACCTTGCTTCTGGAAAGGAAGGATGATT  
TTCAGATGATGCCAAATATTGTCAGAAATAAACCAGGTGAGATTAATTTGGAGGAAGTATTCTGAATG  
TGCCTTTTTCCAGGAATGTCAACGAAAATGAAACATCGACTTGGTCTGGATTCTATTTGCTCAAACCT  
GTTCAACGAATCACTAAGTATCAGTTGCTTTTAAAGGAGCTTTTAAAGTATAGCAAAGAAGGTGAAGGAA  
CTACTAAATTAAGGAGGCACCTGACTCAATGCTGGAGCTGCTGAAGTCAAGTGAATGACTCCATGCATCA  
GACTGCCATCAATGGCTATGTTGGAAATATAAATGAGCTGGGCAAGATGGTTCTTCAAGGTTCTTCAAT  
GTTTGGCTAGGACACCGAAAGGTGCTACAAAATGAAGGATTTTGCACGTTTCAAACCCATGCAGAGAC  
ATCTTTTCTATATGAAAAGCTGTTATGTTTTGTAAGAGGCGTTTCAATCTGGAGAAGGTGCTGATAG  
ATACCCATCATACAGTTTTAAGCACTGCCTAAAATGGAAGATGTTGGCATCACAGAACATGTGAAAGGT  
GATAACCGCAAATTTGAAATACGGTATAGTGAGAAGGAAGAAATTTACATTGTTGAGGCTCCAAATGTTG  
ATGTGAAGATGTTATGGCTAAAAGAAATAAGAAAAATTTTGGTGCAGCAGAAGGAAGTATGACTGCTAA  
AACCCAGCAGGATCAGGCACTAGACCAGGACCAACTTTTCCCCAGCAGCAGAATGCCGAGCTATGCAAA  
AGCTCACCTTTTTGTGTGTGAGGAACTCTTTCAACGCCACAGAAGCAGGAGCAGAAGTGGAGCAAG  
CTGGTCCCTGATAAAGGTGAGGAGGAGCTGTGCTAGCTCAAGCAGAGGCAAGTTCAAGCAGCTTGGAA  
TGGGATGTTACCATCTGCAGAAGGCGCTGCTGCAATTGCTGAACATTATACAATTTTCTCCTCTAAC  
AATGACCATGGAGAAGATAGGACACAAATGAGACACATGTCGGAGGTGACATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG215353 representing NM\_133197  
 Red=Cloning site Green=Tags(s)

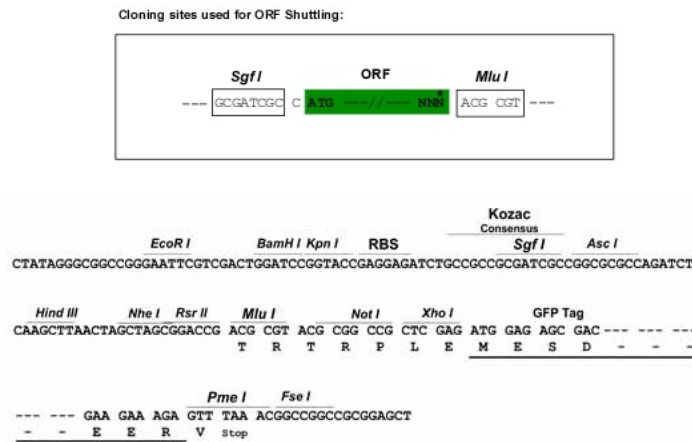
MAEANPPRGKMRFRNNAASFPGLHLVLRPTSFLLQRTFTDIGFRFSQEDFMLKLPVVMLSSVSDLLTY  
 IDDKQLTPELGGTLQYCHSEWIIIFRNAIEKFAVTVKEMAQMLQSFQTELAETELPQDILSIEEILAGRAE  
 RYHLLKNDLTAVTKEGKVLMLNQLVPATEETVSSSLECTQHINGDWQTIKKLLAQVHDMETAFDGFWEKH  
 QLKMEQYLQLWKFQDFQEAQTQVEFLLSQRELGDITGNLAQVKQRLKLEILDDKSQELLTKARIVIL  
 RGHKLASNHHYALDLICQRCNELRYLSDILVNEIRTKRVQLSRTFKVHRLLLQARQCCDQGECLLASQGM  
 DKFQTKEDAQKALQVDNFLQAMPFINYDIESLQYEFDVLLSPELKAQMNIQLKLENIRSAFQNNQAG  
 CKSLKEVPEGAFQNLVPASENVMRSMIFFSPKHVKSQRQIHAQSNVYVEAVEDSQEKNSDQSPKLDNS  
 LDILKNHVLNELIQTERAYVRELFVLLGYRSEMDNPQMFDMPLLRNKKDVLFGNMAEIEYEFHNNIFM  
 SRLIEDCSDAPERVGPCFLERKDDFQMYAKYCQNKPRSELIWRKYSECAFFQECQRKLRHLGLDSYLLKP  
 VQRITKYQLLLKELLKYSKEGEGTTKLKEALDSMLELLKSVNDSMHQTAINGVYGNINELGKMLVQGSFN  
 VWLGHKRGATKMKDFARFKPMQRHLFLYEKAVMFCRRFESGEGADRYPSYFKHCLKMEDVGI TEHVKG  
 DNRKFEIRYSEKEEIIYVQAPNVVDKMLWLKEIRKILVQKELMTAKTQQDQALDQDQLFPQQQNAELCK  
 SSPFCVCEETL FNATEAGAEVEQAGALIKVREAAVLAQAEASSAANGMLPSAEGAAAIAEHSYNYFSSN  
 NDHGEDRTQMRHMSEVTF

TRTRPLE - GFP Tag - V

**Restriction Sites:**

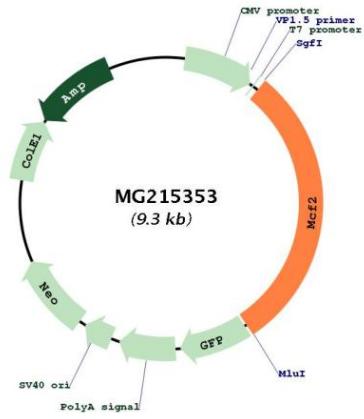
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_133197
<b>ORF Size:</b>	2784 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_133197.5</a>
<b>RefSeq Size:</b>	3617 bp
<b>RefSeq ORF:</b>	2787 bp
<b>Locus ID:</b>	109904
<b>Cytogenetics:</b>	X 33.5 cM

Product images:



Circular map for MG215353