

## Product datasheet for **MG218557**

### Mcf2l (NM\_001159486) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mcf2l (NM_001159486) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mcf2l
Synonyms:	C130040G20Rik; Dbs; mKIAA0362; Ost
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218557 representing NM_001159486 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGACCCACAGATGAAATCATGCACCAGGACATCGTCCCGCTCTGTGCCGCTGACATCCAGGAGCAGC  
TGAAGAAGCGCTTTGCTTACCTGTCTGGTGGGCGGGACAGGACGGAAGCCAGTCATCACCTTCCCTGA  
CTACCCAGCCTTCAGCGAGATCCCGGACAAGGAGTTCCAGAATGTCATGACCTATCTCACCAGCATCCCC  
AGTTTGAAGATGCTGGCATTGGATTCACTTGGTCATAGACCGAAGGCAGGACAAATGGACCTCTGTGA  
AGGCATCCGTCTGCGGATAGCCGCATCTTCCAGCCAACTGCAGCTTGTCTTGTCTTCGGCCAC  
GGCTTTTTCCAGAGGACTCTCTCGGACATTGCCTTCAAGTTCAACAGAGATGAGTTAAGATGAAAGTG  
CCGGTCATGATGCTAAGCTCAGTGCCAGAACTACACGGCTACATTGATAAGTCGCAGCTGACCGAGGACC  
TCGGGGGGACCTGGACTACTGCCACTCCAGGTGGCTGTGCCACCGCACAGCAATTGAAAGCTTCGCCCT  
GATGGTGAAGCAGACAGCCAGATGCTGCAGGCCCTTTGGGACCGAGCTGGCTGAAACAGAGCTGCCGAAT  
GACGTCCAGTCAACCAGCCTGGTGTCTCAGCGCACACAGAGAAGAAGGCCAAAGTGAAGGAAGATCTGC  
AGTTAGCACTGAAGGAGGGGAACAGCATCCTGGAGAGCCTCAGAGAGCCACTGGCTGAGAGCGCGGCCCA  
CAGTGTGAACCAGGACCAGCTGGACAATCAGGCCACCGTGCAGAGGCTCCTGGCCAGCTGAATGAGACG  
GAGGCTGCCTTTGACGAATTCTGGGCAAAGCATCAGCAGAAGCTGGAACAGTGCCTGCAGCTGCGGCATT  
TTGAGCAAGGTTTCCGGGAGGTCAAACCACCTTGGATTCCATGTCCAGAAAGATAGCTGCTTTCACGGA  
TGTGGCAACAGCCTGGCCACGTGCAGCACCTTCTGAAGGACTTGACCGCCTTTGAGGAGAAGTCCAGT  
GTGGCTGTGGACAAGGCCCGCCCTGTACTGGAAGGTCAGCAGCTGATTGAGAACAGGCACTACGCTG  
TGGACTCCATCCACCCAAAGTGTGAAGAGCTCCAGCACCTCTGTGACCACTTCGCCTCTGAGGTCACCGAG  
GAGGCGGGGCTGCTCAGCAAGTCTTGGAGCTGCATAGCCTCCTGGAGACGTCATGAAGTGGAGCGAC  
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TCCAGGAGATTGAGAAGTTTCTGGAGACCGGTGCAGAAAATAAGATTGAGAGCTCAATGAGATTTACAA  
GGAATACGAATGCATCCTCAACCAGGACCTTCTGGAACACGTGCAAAAAGTCTTTCAGAAGCAAGAAAGC



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ACGGAGGAGATGTTCCACCGCAGGCAAGCCAGCCTGAAGAACTGGCAGCCAAGCAGACACGGCCTGTGC  
 AGCCCGTGGCCCCGACCAGAGGCGCTTACCAAGTCGCCCTCCCCCTCGCCAGGCTCCTGGCGAAGCTC  
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 GAACCCCGGCAGGGCCGACCAGCTCCACAGGGGAAGAGGAAGAGAGCCTGGCCATCCTGCGCAGACAGC  
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 CGCAGAGATGGATAACCCCTTGATGGCACACCTCATCTCAACAGGCTGCAAAACAAGAAGAACATCTG  
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 TGCCGGGTAATAACACAGTGGTGGATGGATGATGAGAAAGGGGGCCCTGACACCTTGCCATGAGGAGTGG  
 AGATATGGTGGAGGTGGTGGAAAGAAGGCCCTGAGGGCCTCTGGTATGTTTGGGACCTGACCAGCAGCAAG  
 GAGGGATGGGTGCCAGCCAGCAGCCTATCCACCCTCTGGGCAATCCAGTTCAGCCAGTGTCTGAGCA  
 GCTCAGGTGTGCAGAGCAAAAGGCCAGAGCCGAAGCCTGTCTCCACTGGTTTCCGCAGACTCCAGCCCA  
 GGGTCAGCCGTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG218557 representing NM\_001159486  
 Red=Cloning site Green=Tags(s)

MRPTDEIMHQDIVPLCAADIQEQLKKRFAYLSGGRGQDGSPIVITFPDYPAFSEIPDKEFQNVMTYLTSSIP  
 SLQDAGIGFILVIDRRQDKWTSVKASVLRIAASFANLQLVLRPTGFFQRTLSDIAFKFNRDEFKMKV  
 PVMMLSSVPELHGYIDKSQLTEDLGGTLDYCHSRWLCHRTAIESFALMVQTAQMLQAFGTETAETLPN  
 DVQSTSLVLSAHTKAKVKEDLQLALKEGNSILESREPLAESAAHSVNQDQLDNQATVQRLLAQLNET  
 EAAFDEFWAKHQKLEQCLQLRHFEQGFREVKTTLDSMSQKIAAFTDVGNLSLAHVQHLLKDLTAFEKSS  
 VAVDKARALSLEGQQLIENRHYAVDSIHPKCEELQHLCDHFASEVTRRRGLLSKLELHSLLETSMKWS  
 EGIFLLASQPVKQSQDGAEEALQEIEKFLETGAENKIQELNEIYKEYECILNQDLLEHVQKVFQKQES  
 TEEMFHRRAASLKLAAKQTRPVQVAPRPEALTKSPSPSPGWSRSENSSSEGNALRRGPYRRAKSEMS  
 EPRQGRSSTGEEESLAILRRHVMNELDTERAYVEELLCVLEGYAAEMDNPLMAHLISTGLQNKKNIL  
 FGNMEEIYHFHNRIFLRELESCIDPELVGRCFLERMEEFQIYEKQCNKPRSESLWRQCSDCPPFFQECQ  
 KKL DHKLSLDSYLLKPVQRITKYQLLLKEMLYSKHCEGAEDLQEALSSILGILKAVNDSMHLIAITGYD  
 GNLGDLGKLLMQGSFVSWTDHKKGHTKVKELARFKPMQRHLFLHEKAVLFCCKREENGEGYEKAPSYSYK  
 QSLNMTAVGITENVKGDTKKFEIWNAREEVYIIQAPTPEIKAAWVNEIRKVLTSQLQACREASQHRALE  
 QSHSLPLPTSPSSPTKGNTRNVKLEDKTDPLSLEGYVSSSLPKPPEKKGWSKTSLSLEAPEEDGGW  
 SSAEELINSSDAEEDGGVGPVKLVPGKYTYVMDEKGGPDTLAMRSGDMVEVVEEGAEGLYVYRDLTSSK  
 EGWVPASSLSTLLGKSSAQCLSSSGVQSKGPEPKPVSTGFPQTPAQGQPC

TRTRPLE – GFP Tag – V

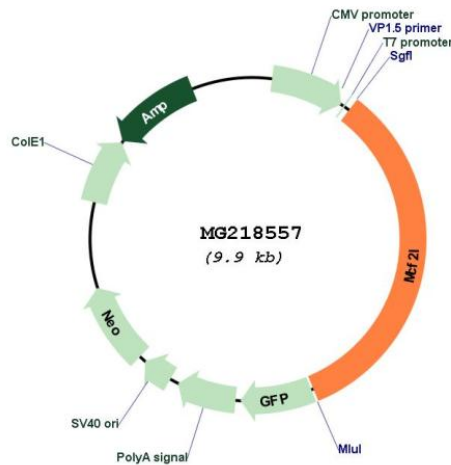
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001159486

ORF Size: 3303 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.

<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>RefSeq:</b>	<u>NM_001159486.2</u>
<b>RefSeq Size:</b>	5112 bp
<b>RefSeq ORF:</b>	3306 bp
<b>Locus ID:</b>	17207
<b>Cytogenetics:</b>	8 A1.1