

## Product datasheet for MR217138

### Mcf2l (NM\_001159485) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mcf2l (NM\_001159485) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mcf2l  
**Synonyms:** C130040G20Rik; Dbs; mKIAA0362; Ost  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR217138 representing NM\_001159485  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGACCCACAGATGAAATCATGCACCAGGACATCGTCCCGCTCTGTGCCGCTGACATCCAGGAGCAGC  
 TGAAGAAGCGCTTTGCTTACCTGTCTGGTGGGCGGGACAGGACGGAAGCCAGTCATCACCTTCCCTGA  
 CTACCCAGCCTTCAGCGAGATCCCGGACAAGGAGTTCCAGAATGTCATGACCTATCTCACCAGCATCCCC  
 AGTTTGAAGATGCTGGCATTGGATTATCTTGGTCATAGACCGAAGGCAGGACAAATGGACCTCTGTGA  
 AGGCATCCGTCCTGCGGATAGCCGCATCTTTCCAGCCAACCTGCAGCTTGTCTTGTCTTCGCCCCAC  
 GGGCTTTTTCCAGAGGACTCTCTCGGACATTGCCTTCAAGTTCAACAGAGATGAGTTAAGATGAAAGTG  
 CCGGTCATGATGCTAAGCTCAGTGCCAGAACTACACGGCTACATTGATAAGTCGCAGCTGACCGAGGACC  
 TCGGGGGGACCTGGACTACTGCCACTCCAGGTGGCTGTGCCACCGCACAGCAATTGAAAGCTTCGCCCT  
 GATGGTGAAGCAGACAGCCAGATGCTGCAGGCCCTTTGGGACCGAGCTGGCTGAAACAGAGCTGCCGAAT  
 GACGTCAGTCAACCAGCCTGGTGCTCAGCGCACACAGAGAAGAAGGCCAAAGTGAAGGAAGATCTGC  
 AGTTAGCACTGAAGGAGGGGAACAGCATCTGGAGAGCCTCAGAGAGCCACTGGCTGAGAGCGCGGCCCA  
 CAGTGTGAACCAGGACCAGCTGGACAATCAGGCCACCGTCGAGAGGCTCCTGGCCAGCTGAATGAGACG  
 GAGGCTGCCTTTGACGAATTCTGGGCAAAGCATCAGCAGAAGCTGGAACAGTGCCTGCAGCTGCGGCATT  
 TTGAGCAAGGTTTCCGGGAGGTCAAACCACCTTGGATTCCATGTCCCAGAAGATAGCTGCTTTCACGGA  
 TGTTGGCAACAGCCTGGCCACGTGCAGCACCTTCTGAAGGACTTGACCGCCTTTGAGGAGAAGTCCAGT  
 GTGGCTGTGGACAAGGCCCGCCCTGTACTGGAAGGTCAGCAGCTGATTGAGAACAGGCACTACGCTG  
 TGGACTCCATCCACCCAAAGTGTGAAGAGCTCCAGCACCTCTGTGACCACTTCGCCTCTGAGGTACCAG  
 GAGGCGGGCCTGCTCAGCAAGTCTTGGAGCTGCATAGCCTCCTGGAGACGTCATGAAGTGGAGCGAC  
 GAGGGGATCTTCTGCTGCCTCGCAGCCTGTGGACAAAATGCCAGTCCCAGGATGGCGCAGAGGCGGCC  
 TCCAGGAGATTGAGAAGTTTCTGGAGACCGGTGCAGAAAATAAGATTGAGGAGCTCAATGAGATTTACAA  
 GGAATACGAATGCATCCTCAACCAGGACCTTCTGGAACACGTGCAAAAAGTCTTTCAGAAGCAAGAAAGC  
 ACGGAGGAGATGTTCCACCGCAGGCAAGCCAGCCTGAAGAAACTGGCAGCCAAGCAGACACGGCCTGTGC



[View online >](#)

AGCCCGTGGCCCCCGACCAGAGGCGCTTACCAAGTCGCCCTCCCCCTGCCAGGCTCCTGGCGAAGCTC  
 TGAGAACTCCAGCTCTGAGGGCAACGCACTCCGCAGAGGGCCCTACAGGAGAGCCAAAGAGCGAAATGAGT  
 GAACCCCGGCAGGGCCGACCAGCTCCACAGGGGAAGAGGAAGAGAGCCTGGCCATCCTGCGCAGACACG  
 TGATGAATGAGCTTCTGGACACCGAGCGGGCTACGTGGAGGAGCTGCTCTGTGTCTTAGAGGGCTATGC  
 CGCAGAGATGGATAACCCCTTGATGGCACACCTCATCTCAACAGGCTGCAAAACAAGAAGAACATTCTG  
 TTTGGAAACATGGAGGAAATCTATCATTTCACAACAGAATATTCTGCGGGAGCTGGAGAGCTGCATG  
 ACTGCCAGAGCTGGTGGGGAGGTCTTCTGGAAAGGATGGAGGAGTCCAGATCTATGAGAAGTACTG  
 TCAGAACAAGCCACGCTCTGAGAGCCTGTGGAGGCAAGTCTGACTGCCCTTCTCCAGGAGTGTGAG  
 AAGAAGCTGGACCACAAGCTGAGCCTGGACTCCTACCTGTGAAACCTGTGCAGAGGATAACCAAGTACC  
 AGCTGCTGCTCAAGGAAATGCTGAAGTACAGCAAGCACTGTGAAGGGGCAGAGGACCTGCAGGAGCGCT  
 GAGCTCCATCCTGGGCATCCTCAAGGCTGTGAACGACTCCATGCATCTCATCGCCATCACTGGCTATGAT  
 GGAAACCTTGGCGACCTGGGGAAGCTGTGATGCAAGGTTCTTCAGCGTGTGGACAGACCACAAGAAGG  
 GCCACACCAAAGTGAAGGAGCTAGCCAGGTTCAAGCCATGCAGCGCACCTGTTTCTGCACGAGAAGGC  
 CGTCTCTTCTGCAAGAAGAGGGAGGAGAATGGGGAGGGATACGAGAAGGCTCCTTCTACAGCTACAAG  
 CAGTCCTTGAATATGACGGCTGTGGCCTCACAGAGAAGTGAAGGGTGACACCAAGAAGTTCGAGATCT  
 GGTACAACGCAAGGGAGGAGTTTATATATTCAGGCGCAACCCCGAGATTAAGCAGCGTGGGTGAA  
 TGAGATTCGGAAGGTGCTGACCAGCCAGCTGCAGGCTTGCCTGGGAGGCCAGCCAGCACCGAGCCCTGGAG  
 CAGTCCCACAGCCTTCTTTGCCACGCCATCCAGCACCAGTCCCACAAAAGGGAACACAAGAAATGTCA  
 AGAAGCTCGAAGACCGGAAGACGGACCCGCTCAGCCTGGAAGGCTACGTGAGCTCATCGTTACCAAAGCC  
 CCCTGAGAAGGGCAAAGGCTGGAGCAAAACATCCCACTCCTGGAGGCCCTGAGGAGGACGGAGGCTGG  
 TCCAGTGTGAGGAACTCACTCATCTGATGCTGAGGAAGACGGTGGAGTGGGCCCTAAGAAGCTGG  
 TGCCGGGTAATACACAGTGGTATGATGATGAGAAAGGGGGCCCTGACACCCTTGCCATGAGGAGTGG  
 AGATATGGTGGAGTGGTGAAGAAGCGCTGAGGGCTCTGGTATGTTGCGGACCTGACCAGCAAG  
 GAGGGATGGGTGCCAGCCAGCAGCTATCCACCCTCCTGGGCAAATCCAGTTCAGCCAGTGTCTGAGCA  
 GCTCAGGTAAGATCCACTGTGCGGCCAGCTGTGCCCTGAGCCTGCCAGATCCTCAGCCAGAGCCCGT  
 T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217138 representing NM\_001159485  
 Red=Cloning site Green=Tags(s)

MRPTDEIMHQDIVPLCAADIQEQLKRFAYLSGGRGQDGSPIVITFPDYPAFSEIPDKEFQNVMTYLT  
 SLQDAGIGFILVIDRRQDKWTSVKASVLRIAASFANLQLVLRPTGFFQRTLSDIAFKFNRDEFKMKV  
 PVMMLSSVPELHGYIDKSQLTEDLGGTLDYCHSRWLCHRTAIESFALMVQTAQMLQAFGTETAELPN  
 DVQSTSLVLSAHTKAKVKEDLQLALKEGNSILESLREPLAESAAHSVNQDQLDNQATVQRLLAQLNET  
 EAAFDEFWAKHQKLEQCLQLRHFEQGFREVKTTLDSMSQKIAAFTDVGNLSLAHVQHLLKDLTAFEKSS  
 VAVDKARALSLEGQLIENRHYAVDSIHPKCEELQHLCDHFASEVTRRRGLLSKLELHSLLETSMKWS  
 EGIFLLASQPVKQSQDGAEEALQEIEKFLETGAENKIQELNEIYKEYECILNQDLLEHVQKVFQKQES  
 TEEMFHRRAASLKLAAKQTRPVQVAPRPEALTKSPSPSPGWSRSENSSSEGNALRRGPYRRAKSEMS  
 EPRQGRSSTGEEESLAILRRHVMNELDTERAYVEELLCVLEGYAAEMDNPLMAHLISTGLQNKNIIL  
 FGNMEEIYHFHNRIFLRELESCIDPELVGRCFLERMEEFQIYEKQCNKPRSESLWRQCSDCPPFFQECQ  
 KKLHKLSDSYLLKPVQRITKYQLLLKEMLYSKHCEGAEDLQEAALSSILGILKAVNDSMHLIAITGYD  
 GNLGDLGKLLMQGSFVWTDHKKGHTKVKELARFKPMQRHLFLHEKAVLFCCKREENGEGYEKAPSYK  
 QSLNMTAVGITENVKGDTKKFEIWNAREEVYIIQAPTPEIKAAWVNEIRKVLTSQLQACREASQHRALE  
 QSHSLPLPTSPSTSPKGNTRNVKKLEDRKTDPLSLEGYVSSSLPKPPEKGGWSKTSLSLEAPEEDGGW  
 SSAFEELINSSDAEEDGGVGPVKLVPGKYTVVMDEKGGPDTLAMRSGDMVEVVEEGAEGLYVYRDLTSSK  
 EGWVPASSLSTLLGKSSAQCLSSSGKIHARQLCPEPAEILSPEPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

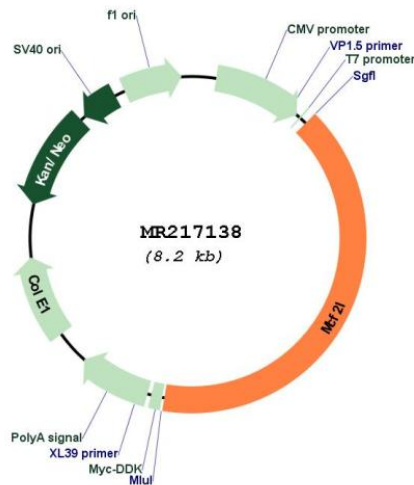
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001159485

ORF Size: 3291 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><a href="#">NM_001159485.2</a></u>
<b>RefSeq Size:</b>	5198 bp
<b>RefSeq ORF:</b>	3294 bp
<b>Locus ID:</b>	17207
<b>Cytogenetics:</b>	8 A1.1
<b>MW:</b>	124.1 kDa