

Product datasheet for **MG217138**

Mcf2l (NM_001159485) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcf2l (NM_001159485) 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: >MG217138 representing NM_001159485
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACCCACAGATGAAATCATGCACCAGGACATCGTCCCCTCTGTGCCGCTGACATCCAGGAGCAGC
TGAAGAAGCGCTTTGCTTACCTGTCTGGTGGGCGGGACAGGACGGAAGCCAGTCATCACCTTCCCTGA
CTACCCAGCCTTCAGCGAGATCCCGGACAAGGAGTTCCAGAATGTCATGACCTATCTCACCAGCATCCCC
AGTTTGAAGATGCTGGCATTGGATTCACTTGGTTCATAGACCGAAGGCAGGACAATGGACCTCTGTGA
AGGCATCCGTCCTGCGGATAGCCGCATCTTCCAGCCAACCTGCAGCTTGTCTTGTCTTCGGCCAC
GGCTTTTTCCAGAGGACTCTCTCGGACATTGCCTTCAAGTTCAACAGAGATGAGTTAAGATGAAAGTG
CCGGTCATGATGCTAAGCTCAGTGCCAGAACTACACGGCTACATTGATAAGTCGCAGCTGACCGAGGACC
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GATGGTGAAGCAGACAGCCAGATGCTGCAGGCCCTTTGGGACCGAGCTGGCTGAAACAGAGCTGCCGAAT
GACGTCCAGTCAACCAGCCTGGTGTCTCAGCGCACACAGAGAAGAAGGCCAAAGTGAAGGAAGATCTGC
AGTTAGCACTGAAGGAGGGGAACAGCATCCTGGAGAGCCTCAGAGAGCCACTGGCTGAGAGCGCGGCCCA
CAGTGTGAACCAGGACCAGCTGGACAATCAGGCCACCGTGCAGAGGCTCCTGGCCAGCTGAATGAGAGC
GAGGCTGCCTTTGACGAATTCTGGGCAAAGCATCAGCAGAAGCTGGAACAGTGCCTGACGTCGCGCATT
TTGAGCAAGGTTTCCGGGAGGTCAAACCACCTTGGATTCCATGTCCAGAAAGATAGCTGCTTTCACGGA
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GTGGCTGTGGACAAGGCCCGCCCTGTACTGGAAGGTCAGCAGCTGATTGAGAACAGGCACTACGCTG
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GGAATACGAATGCATCCTCAACCAGGACCTTCTGGAACAGTGCAGAAAAGTCTTTCAGAAGCAAGAAAGC



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ACGGAGGAGATGTTCCACCGCAGGCAAGCCAGCCTGAAGAACTGGCAGCCAAGCAGACACGGCCTGTGC
 AGCCCGTGGCCCCGACCAGAGGCGCTTACCAAGTCGCCCTCCCCTCGCCAGGCTCCTGGCGAAGCTC
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 GCCACACAAAGTGAAGGAGCTAGCCAGGTTCAAGCCATGCAGCGGCACCTGTTTCTGCACGAGAAGGC
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 CAGTCCCACAGCCTTCTTTGCCACGCCATCCAGCACCAGTCCCACAAAAGGGAACACAAGAAATGTCA
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 TGCCGGGTAATAACACAGTGGTGGATGGATGAGAAAGGGGGCCCTGACACCTTGCATGAGGAGTGG
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 GAGGGATGGGTGCCAGCCAGCAGCCTATCCACCCTCCTGGGCAATCCAGTTCAGCCAGTGTCTGAGCA
 GCTCAGGTAAGATCCACTGTGCGGCCAGCTGTGCCCTGAGCCTGCCAGATCCTCAGCCAGAGCCCGT
 T

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217138 representing NM_001159485
 Red=Cloning site Green=Tags(s)

MRPTDEIMHQDIVPLCAADIQEQLKKRFAYLSGGRGQDGSPIVITFPDYPAFSEIPDKEFQNVMTYLT
 SLQDAGIGFILVIDRRQDKWTSVKASVLRIAASFANLQLVLRPTGFFQRTLSDIAFKFNRDEFKMKV
 PVMMLSSVPELHGYIDKSQLTEDLGGTLDYCHSRWLCHRTAIESFALMVQTAQMLQAFGTETAETLPN
 DVQSTSLVLSAHTKAKVKEDLQLALKEGNSILESLREPLAESAAHSVNQDQLDNQATVQRLLAQLNET
 EAAFDEFWAKHQKLEQCLQLRHFEQGFREVKTTLDSMSQKIAAFTDVGNLAHVQHLLKDLTAFEKSS
 VAVDKARALSLEGQLIENRHYAVDSIHPKCEELQHLCDHFASEVTRRRGLLSKLELHSLLETSMKWS
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 TEEMFHRRAASLKLAAKQTRPVQVAPRPEALTKSPSPSPGWSRSENSSSEGNALRRGPYRAKSEMS
 EPRQGRSSTGEEESLAILRRHVMNELDTERAYVEELLCVLEGYAAEMDNPLMAHLISTGLQNKKNIL
 FGNMEEIYHFHNRIFLRELESCIDPELVGRCFLERMEEFQIYEKQCNKPRSESLWRQCSDCPPFQECQ
 KKL DHKLSLDSYLLKPVQRITKYQLLLKEMLYSKHCEGAEDLQEALSSILGILKAVNDSMHLIAITGYD
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 QSLNMTAVGITENVKGDTKKFEIWNAREEVYIIQAPTPEIKAAWVNEIRKVLTSQLQACREASQHRAE
 QSHSLPLPTSPSTSPKGNTRNVKLEDKTDPLSLEGYVSSSLPKPPEKKGWSKTSLSLEAPEEDGGW
 SSAFEELINSSDAEEDGGVGPVKLVPGKYTVVMDEKGGPDTLAMRSGDMVEVVEEGAEGLYVYRDLTSSK
 EGWVPASSLSTLLGKSSAQCLSSSGKIHCARQLCPEPAEILSPEPV

TRTRPLE – GFP Tag – V

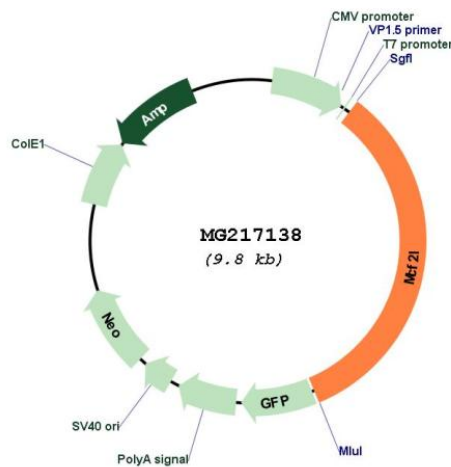
Restriction Sites:

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.

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:	<u>NM_001159485.2</u>
RefSeq Size:	5198 bp
RefSeq ORF:	3294 bp
Locus ID:	17207
Cytogenetics:	8 A1.1