

Product datasheet for **MG211735**

Mcf2l (NM_178076) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcf2l (NM_178076) 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: >MG211735 representing NM_178076
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTTTTGGCTGAGAAATGAAGAGATGGCCCTAGAAGAAATGGTGCAGAGATTAAACGCGTTTTCCA
AGAACACTGATGAAATCATGCACCAGGACATCGTCCCGCTCTGTGCCGCTGACATCCAGGAGCAGCTGAA
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CCAGCCTTCAGCGAGATCCGGACAAGGAGTTCAGAATGTCATGACCTATCTACCAGCATCCCCAGTT
TGCAAGATGCTGGCATTGGATTCATCTTGGTCATAGACCGAAGGCAGGACAAATGGACCTCTGTGAAGGC
ATCCGTCCTGCGGATAGCCGCATCTTCCAGCCAACCTGCAGCTTGCCCTTGTCTTCGGCCACGGGC
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TACGAATGCATCCTCAACCAGGACCTTCTGGAACACGTGCAAAAAGTCTTTCAGAAGCAAGAAAGCACGG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

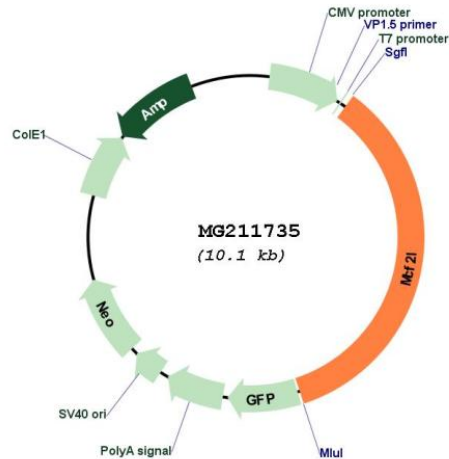
Protein Sequence: >MG211735 representing NM_178076
 Red=Cloning site Green=Tags(s)

MRFWLRNEEMALEEMVQRLNAVSKNTDEIMHQDIVPLCAADIQEQLKKRFAYLSSGGRGQDGSVITFPDY
 PAFSEIPDKEFQNVMTYLTSLPSLQDAGIGFILVIDRRQDKWTSVKASVLRIAASFANLQLVLRPTG
 FFQRTLSDIAFKFNRFDEFKMKVPVMMMLSSVPELHGYIDKSQLTEDLGGTLDYCHSRWLCHRTAIESFALM
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 VNQDQLDNQATVQRLLAQLNETEAAFDEFWAKHQKLEQCLQLRHFEQGFREVKTLLDSMSQKIAAFDVT
 GNSLAHVQHLLKDLTAFEKSSVAVDKARALSLEGQQLIENRHYAVDSIHPKCEELQHLCDHFASEVTRR
 RGLLSKSLELHSLLETSMKWSDEGIFLLASQPVDKQSQDGAEEALQEIEKFLETGAENKIQELNEIYKE
 YECILNQDLEHVQKVFQKQESTEEMFHRQASLKKLAQTRPVQPVAPRPEALTKSPSPGWSRSSE
 NSSSEGNALRRGPYRRAKSEMSEPRQGRSSTGEEESLAILRRHVMNELLDTERAYVEELLCVLEGYAA
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 NKPRSESLWRQSDCPFFQECQKLDHKLSDSYLLKPVQRITKYQLLLKEMLYSKHCEGAEDLQEALS
 SILGILKAVNDSMHLIAITGYDGNLGDGKLLMQGSFSVWTDHKKGHTKVKELARFKPMQRHLFLHEKAV
 LFCKKREENGEGYEKAPSYSYKQSLNMTAVGITENVKGDTKKFEIWNAREEVYIIQAPTPEIKAAWVNE
 IRKVLTSQLQACREASQHRALEQSHSLPLPTSPSTPTKGNTRNVKLEDRKTDPLSLEGYVSSSLPKPP
 EKGKDDAVPSSTSESSALSRKRF TLQGLANLKGQKASPTSPDKKAKRHEVKSDPTPFGLRGWSKTSLSLE
 APEEDGGWSSAEELINSSDAEEDGGVGPKKLVPGKYTVVMDEKGGPDTLAMRSGDMVEVVEEGAELGWY
 VRDLTSSKEGWVPASSLSTLLGKSSAQCLSSSGKIHCARQLCPEPAEILSPEPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI
 Cloning Scheme:



Plasmid Map:


ACCN: NM_178076

ORF Size: 3525 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.

RefSeq: [NM_178076.4](#)

RefSeq Size: 5269 bp

RefSeq ORF: 3528 bp

Locus ID: 17207

Cytogenetics: 8 A1.1