

Product datasheet for **MG215711**

Mcf2 (NM_139295) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcfd2 (NM_139295) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mcfd2
Synonyms: 1810021C21Rik; F5f8d; Lman1ip; Sdnsf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215711 representing NM_139295
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAACCCACAGCTGCTCAGAGCTCCCTTGCTGTGTGTCCTGCTTTGGGTCTTTGTGCTCCAGGTG
 CCAGAGCCCATGACCACGGGGCTGATGTCCATCATGGCAGCGTGGGCCTGGATAAGAGCACAGTGCACGA
 CCAAGAGCACATCATGGAACATCTGGAAGGTGTCATCGACCAGCCAGAGCGGAGATGTCCCACAGGAA
 CTGCAGCTCCATTACTTCAAATGCATGATTACGACGGCAACAGTTTGTGACGGCCTAGAGCTCTCCA
 TAGCCATCACTCACGTGCACAAGGAGGAGGGAGTGAGCAGGCCAGTCATGAGCGAGGATGAGCTCGT
 CAGCATCATAGATGGTGTCTGAGGGACGATGACAAGAACAACGACGGCTACATCGACTACGCTGAGTTT
 GCAAAGTCACTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215711 representing NM_139295
 Red=Cloning site Green=Tags(s)

MATLQLLRAPLLCVLLWVFCAPGARAHDHGADVHHGVSGLDKSTVHDQEHIMEHLEGVIDQPEAEMSPQE
 LQLHYFKMHDYDGNLLDGLLELSIAITHVHKEEGSEQAPVMSDELVSIIDGVLRDDDKNNDGYIDYAEF
 AKSLQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

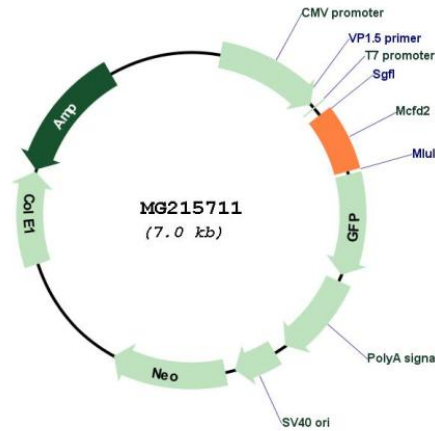


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_139295

ORF Size: 435 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_139295.3, NP_647456.1</u>
RefSeq Size:	2050 bp
RefSeq ORF:	438 bp
Locus ID:	193813
UniProt ID:	<u>Q8K5B2</u>
Cytogenetics:	17 E4
Gene Summary:	The MCFD2-LMAN1 complex forms a specific cargo receptor for the ER-to-Golgi transport of selected proteins.[UniProtKB/Swiss-Prot Function]