

Product datasheet for **MR215711**

Mcf2 (NM_139295) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcfd2 (NM_139295) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mcfd2
Synonyms: 1810021C21Rik; F5f8d; Lman1ip; Sdnsf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR215711 representing NM_139295
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGGCAACCTACAGCTGCTCAGAGCTCCCTTGCTGTGTGCTCCTGCTTTGGGTCTTTTGCTCCAGGTG
CCAGAGCCATGACCACGGGCTGATGTCCATCATGGCAGCGTGGCCTGGATAAGAGCACAGTGCACGA
CCAAGAGCACATCATGGAACATCTGGAAGGTGTCATCGACCAGCCAGAGCGGAGATGTCCACAGGAA
CTGCAGCTCCATTACTTCAAATGCATGATTACGACGGCAACAGTTTGCTTGACGGCCTAGAGCTCTCCA
TAGCCATCACTCACGTGCACAAGGAGGAGGGAGTGAGCAGGCGCCAGTCATGAGCGAGGATGAGCTCGT
CAGCATCATAGATGGTGTCTGAGGGACGATGACAAGAACAACGACGGCTACATCGACTACGCTGAGTTT
GCAAAGTCACTGCAG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >MR215711 representing NM_139295
Red=Cloning site Green=Tags(s)

MATLQLLRAPLLCVLLWVFCAPGARAHDHGADVHHGVSGLDKSTVHDQEHIMEHLEGVIDQPEAEMSPQE
LQLHYFKMHDYDGNLLDGLLELSIAITHVHKEEGSEQAPVMSDELVSIIDGVLRDDDKNDGYIDYAEF
AKSLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

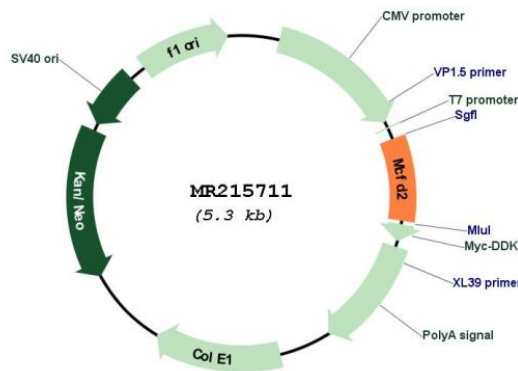
Restriction Sites: SgfI-MluI



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</u> , <u>NP_647456.1</u>
RefSeq Size:	2050 bp
RefSeq ORF:	438 bp
Locus ID:	193813
UniProt ID:	<u>Q8K5B2</u>
Cytogenetics:	17 E4
MW:	16.6 kDa
Gene Summary:	The MCFD2-LMAN1 complex forms a specific cargo receptor for the ER-to-Golgi transport of selected proteins.[UniProtKB/Swiss-Prot Function]