

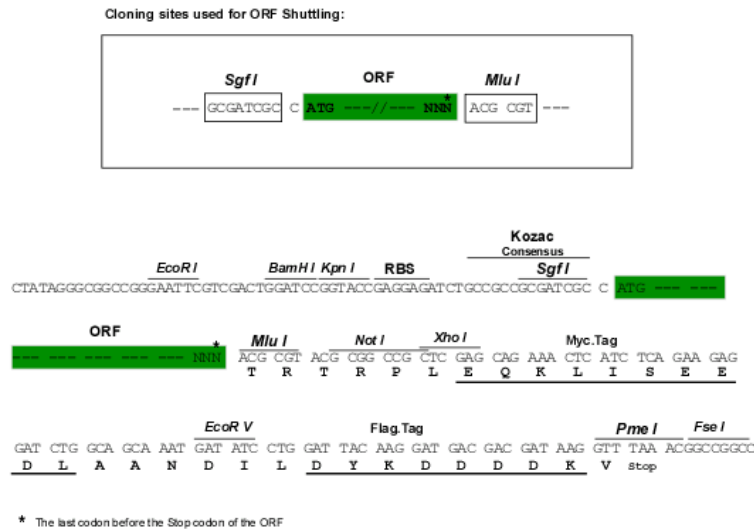
Product datasheet for **RR209822**

Fmc1 (NM_001037795) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmc1 (NM_001037795) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fmc1
Synonyms:	MGC112899
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>RR209822 representing NM_001037795</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC</p> <p>ATGGCGGCCTTGGGGTCGCCGGCGCGCACTCTGCGAGGCCTTCTGCGGGAGCTGCGCTACCTGAACGCGGCCACCGGGCGACCATAACCGCGACACAGCAGCCTACCGGTACCTGGTTAAGGCTTCCGAGCACATCGGGTCACCAAGTGAAGTTGTGCAGAGCCCAACACGAGCTTCACTTCCAAGCTGCCACCTATCTCTGCCTCTTGCCTAGTATCCGGCAACATGTAGCCCTTCATCAGGAATTTTCATGGCAAGGGTGAGCGCTCAGTGGAGGAGTCTGCTGGTTTGGTGGGCCTCCAGTTGCCCCATCAGCCTGGAGGAAGGGCTGGGAGCCA</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>>RR209822 representing NM_001037795</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAALGSPARTLRGLLRELRYLNAATGRPYRDTAAYRYLVKAFAHRVTSEKLCRAQHELHFQAATYLCLLRSIRQHVALHQEFHGKGERSVESAGLVGLQLPHQPGGKGWEP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Restriction Sites:	Sgfl-MluI


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Cloning Scheme:


ACCN: NM_001037795

ORF Size: 339 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.

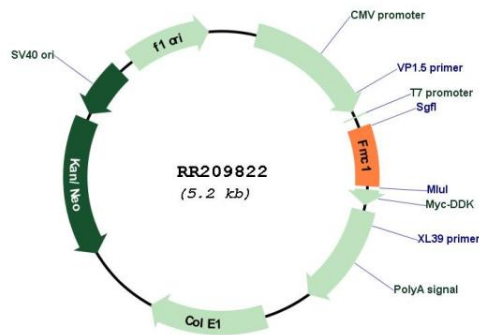
RefSeq: [NM_001037795.1](#), [NP_001032884.1](#)

RefSeq Size: 1367 bp

RefSeq ORF: 342 bp

Locus ID:	500087
UniProt ID:	Q4G012
Cytogenetics:	4q22
MW:	12.7 kDa
Gene Summary:	Plays a role in the assembly/stability of the mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209822