

## Product datasheet for MR203450

### Mrrf (NM\_026422) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mrrf (NM_026422) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrrf
Synonyms:	2400002D02Rik; MRFF; MTRRF; RRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203450 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCGGAATAAGATGCTTTCGCCTGCTGCACCCTGCTTTTCGCAGTTACCATGCTGCTTTGACCA  
GACCTGTTTCAGAAGTTCCATGAAGACAGTGAGTGAAGACAACATGGCCATAGGCAGTACTCAGCCTA  
CCCAGCAGTACCAGTTCGCCATTTGCAACCAAGAAAGCCAAAGCTAAAGGAAAGGACAGCCCCAGGCC  
AGGGTGACCGTTAATAGAGCCTTGGTCGAGGATATCATCAGCTTGAAGAGGTGGATGAAGACATGAAAT  
CTGTGGTGAAGCACTTAAGGATAATTTCAATAAGACTCTCAACATAAGGACTGCACCAGGATCCCTTGA  
TCATATTACTGTGGTAAGTCTGATGGGAAGTTGCTCTAAATCAGATTGGCCAGATCTCCATGAAGTCG  
CCACAGGTGATTCTGGTGAATATGGCCAGCTTCCAGAGTGACAGCTGCAGCTATCAAGGCTATAAGAG  
AAAGTGAATGAATCTGAACCCAGAAGTGAAGGAACACTAATTCGGGTACCCATTCTAAAGTAACCGAG  
GGAACACAGAGAAATGCTGGTAAAATTGGCCAAACAGAACACCAACAAGGCCAAAGAAAATTTACGGAAG  
GTTCGCACTAATGCAATGAATAAACTGAAGAAGTCAAAGGACAAAACCTCGGAGGACACCATTAGACTCA  
TCGAGAAGCAGATCAGCCAAATGGCAGACGACCGGTGGCAGAGCTGGACCAGCATCTGGCAGCAAAGAC  
CAAAGAACTCCTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203450 protein sequence  
 Red=Cloning site Green=Tags(s)

MASGIRCFRLHPAFRSYHAALTRPVSEVSMKTVSGRQHGHRQYSAYPAVPVRHFATKKAKAKGKGQPQA  
 RVTVNRLVEDIISLEEVEDMKSVVEALKDNFNKTLNIRTAPGSLDHITVVTADGKVALNQIGQISMKS  
 PQVILVNMAFPECTAAAIAKAIRESGMNLNPEVEGTLIRVPIPKVTRHREMLVKLAKQNTNKAKENLRK  
 VRTNAMNKLKSKDKTSED TIRLIEKQISQMADDTVAELDQHLAAKTCELLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026422

**ORF Size:** 789 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\\_026422.2](#)

**RefSeq Size:** 2251 bp

**RefSeq ORF:** 789 bp

**Locus ID:** 67871

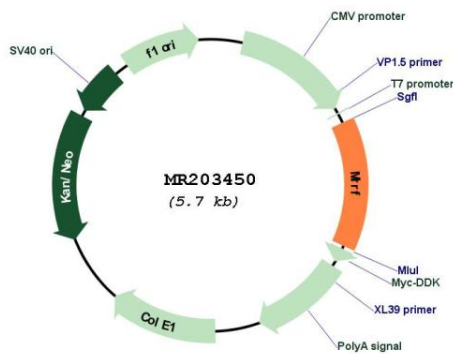
**UniProt ID:** [Q9D6S7](#)

**Cytogenetics:** 2 B

**MW:** 29.1 kDa

**Gene Summary:** Responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. May increase the efficiency of translation by recycling ribosomes from one round of translation to another (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203450