

## Product datasheet for RC229688

### MRRF (NM\_001173512) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MRRF (NM\_001173512) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MRRF  
**Synonyms:** MRFF; MTRRF; RRF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC229688 representing NM\_001173512  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTTGGGATTAAGTGCTCCGCATGGTCCACCCTACCTTCGCAATTATCTTGCAGCCTCTATCA  
 GACCCGTTTCAGAAGTTACTGAAGACAGTGCATGAAAGACAACATGGCCATAGGCAATACATGGCCTA  
 TTCAGCTGTACAGTCCGCCATTTGCTACCAAGAAAGCCAAAGGATCCCTTGACAAGATTGCTGTGGTA  
 ACTGCTGACGGGAAGCTTGCTTTAAACCAGATTAGCCAGATCTCCATGAAGTCGCCACAGCTGATTTTGG  
 TGAATATGGCCAGCTTCCAGAGTGTACAGCTGCAGCTATCAAGGCTATAAGAGAAAGTGAATGAATCT  
 GAACCCAGAAGTGAAGGGACGCTAATTCGGGTACCCATTCCCCAAGTAACCAGAGAGCACAGAGAAATG  
 CTGGTGAAACTGGCCAAACAGAACCAACAAGGCCAAAGACTCTTTACGGAAGTTTCGCCCAACTCAA  
 TGAACAAGCTGAAGAAATCCAAGGATACAGTCTCAGAGGACACCATTAGGCTAATAGAGAAACAGATCAG  
 CCAAATGGCCGATGACACAGTGGCAGAAGTGGACAGGCATCTGGCAGTGAAGACCAAGAAGTCTTGGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229688 representing NM\_001173512  
 Red=Cloning site Green=Tags(s)

MALGLKCFRMVHPTFRNYLAASIRPVSEVTLKTVHERQHGHRQYMAYSAVPVRFATKKAKGSLDKIAVV  
 TADGKLALNQISQISMSPQLILVNMAFPECTAAAIKAIRESGMNLNPEVEGTLIRVPIPVQVTRHREM  
 LVKLAKQNTNKAKDSLKVRTNSMNKLLKSKDVTSEDTIRLIEKQISQMADDTVAELDRHLAVKTKELLG

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001173512

ORF Size: 630 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\\_001173512.2](#)

RefSeq ORF: 633 bp

Locus ID: 92399

UniProt ID: [Q96E11](#)

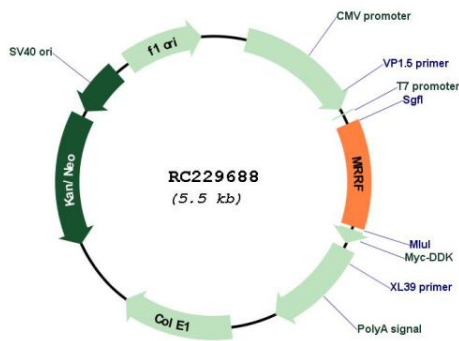
Cytogenetics: 9q33.2

**Protein Families:** Transmembrane

**MW:** 24 kDa

**Gene Summary:** This gene encodes a ribosome recycling factor, which is a component of the mitochondrial translational machinery. The encoded protein, along with mitochondrial elongation factor 2, functions in ribosomal recycling at the termination of mitochondrial translation by mediating the disassembly of ribosomes from messenger RNA. A pseudogene of this gene has been identified on chromosome X. [provided by RefSeq, Oct 2016]

**Product images:**



Circular map for RC229688