

Product datasheet for **RR212122**

Mrrf (NM_001008354) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrrf (NM_001008354) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrrf
Synonyms: MGC93722
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212122 representing NM_001008354
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTGGGAATAAGATGCTTTCGCCTACTACATCCTGCCTTAGCAGCTACCTGGCTGATTTGAGCA
GACCTGTTTCAGAAGTCCCATGAAGACAGTGCAGGAAGACAACGTGACCATATACAGTACTCAGCCCA
CCCAGCAGTGCCAGTTCGCCAGTTTGCAACCAAGAAGGCCAAAGCCAAAGGAAAGGACAGCCCCAGGCC
AGAGTGAACATTAACACTGCCTTGGTTGAGGACATAATCAGTTTGAAGAGGTGGATGAAGACATGAAAT
CTGTGATGGAAGCACTTAAAGATAATTTCAATAAGACTCTCAACATAAGGACTGCACCAGGATCCCTTGA
TCATATTACTGTGTAAGTCTGATGGGAAGCTTGTCTAAACCAGATTGGCCAGATCTCCATGAAGTCG
CCACAGTTGATTCTGGTGAATATGGCCAGCTTCCAGAGTGTACAGCTGCAGCTATCAAGGCTATAAGAG
AAAGTGAATGAATCTGAACCCAGAAGTGAAGGAACACTAATTCGGGTACCCATTCTAAAGTAACCG
GGAACACAGAGAAATGCTGGTGAACCTGGCCAAACAGAACACCAACAAAGCCAAAGAAAATTTACGGAAG
GTTGCGACTAATGCAATGAATAAACTGAAGAAGTCAAAGGACAAAACCTCAGAGGACACCATTAGGCTCA
TCGAGAAGCAGATCAGCCAAATGGCAGACGACCGGTGGCGGAGCTGGACCGCATCTGGCAGCAAAGAC
CAAAGAACTTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212122 representing NM_001008354
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MALGIRCFRLLHPAFSSYLADLSRPVSEVPMKTVRGRQRDHIQYSAHPVPVRQFATKKAKAKGKGQPQA
 RVNINTALVEDIISLEEVEDMKSVMEALKDNFNKTLNIRTAPGSLDHITVVADGKLALNQGQISMKS
 PQLILVNMAFPECTAAAIAKAIRESGMNLNPEVEGTLIRVPIPKVTRHREMLVKLAKQNTNKAKENLRK
 VRTNAMNKLKKSCKTSEDITIRLIEKQISQMADDTVAELDRHLAAKTCELLG

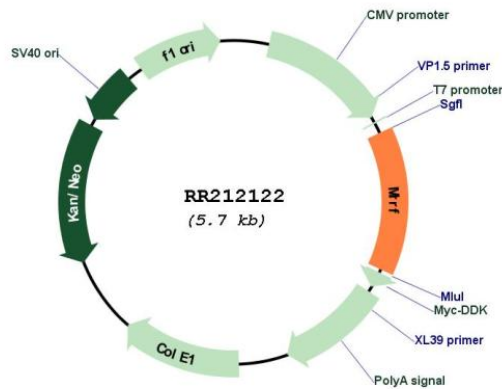
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001008354
 ORF Size: 786 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:	NM_001008354.1 , NP_001008355.1
RefSeq Size:	3602 bp
RefSeq ORF:	789 bp
Locus ID:	311903
UniProt ID:	Q5RKI9
Cytogenetics:	3p11
MW:	29.2 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]