

Product datasheet for **SC322414**

MRRF (NM_138777) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRRF (NM_138777) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRRF
Synonyms:	MRFF; MTRRF; RRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322414
 ATGTTTCCAAGGATTGCTTTCAGTCATGGCCTTGGGATTAAGTGCCTCCGCATGGTCCA
 CCCTACCTTTTCGCAATTATCTTGACGCCTCTATCAGACCCGTTTCAGAAGTTACTACTGAA
 GACAGTGCATGAAAGACAACATGGCCATAGGCAATACATGGCCTATTTCAGCTGTACCAGT
 CCGCCATTTTGTACCAAGAAAGCCAAAGCCAAAGGAAAGGACAGTCCCAAACAGAGT
 GAATATTAATGCTGCCTTGGTTGAGGATATAATCAACTTGGAAAGAGGTGAATGAAGAAAT
 GAAGCTGTGATAGAAGCTCTCAAGGATAATTTCAATAAGACTCTCAATATAAGGACCTC
 ACCAGGATCCCTTGACAAGATTGCTGTGGTAACTGCTGACGGGAAGCTTGCTTTAAACCA
 GATTAGCCAGATCTCCATGAAGTCGCCACAGCTGATTTTGGTGAATATGGCCAGCTTCCC
 AGAGTGTACAGCTGCAGCTATCAAGGCTATAAGAGAAAGTGAATGAATCTGAACCCAGA
 AGTGAAGGGACGCTAATTCGGGTACCCATTCCCAAGTAACAGAGAGCACAGAGAAAT
 GCTGGTAAAAGTGGCCAAACAGAACACCAACAAGGCCAAAGACTCTTACGGAAGTTTCG
 CACCAACTCAATGAACAAGCTGAAGAAATCCAAGGATACAGTCTCAGAGGACACCATTAG
 GCTAATAGAGAAACAGATCAGCCAAATGGCCGATGACACAGTGGCAGAACTGGACAGGCA
 TCTGGCAGTGAAGACCAAGAATCCTTGGATGAAAGTCCACTGGGGCCAGCAATACTCC
 AGAGCCCAGTTTCTGCTGGATCCCATGGGTGGCACATTGGGACTTCTCTCCCTCCCCAT
 CTACACAGAAGACTGTCACCATGCTGACAGAAGCCTGTCCTTGAAGGCCAGCCTTCCA
 GGGGAACACTCAGACATGTTCTTCTTCTGCTTCTGCTCTGGGCCGGTGGGTGGCTC
 TCAGAAAATACTTGTGCTGGCAAAAGGCTGTACTCAGGCATTTGCTTTGACTTGATGT
 TGCCAAGGGACTGAGGCCATTGGCAGGCTTAGTACCACCTGCTCCTCATCTTAGGAGTCT
 CCTTTTCAAATAATTAGGCTCTGTTCCCATTTTAAACTCTGATATTGGCCTTACCTGT
 GACTGGACACTTTACTAGAGGCCATTTTCACTAAACAATAAAATCTAAATAAATTGGAA
 GGATAACAACCACAAAGGAAAGAATAGAGTTGGTCTGGATTGATGATCACTGAGGATCT
 GTATGTGAGGCACCCATAACAGTAGTTTTGCCTGTGAGTCGTCTCACACATGCTGTTTT
 CTCTGCCTGGCTCTCTTCCCCTCCTTACCTGGCCAGTCTGTTTATCATCAGGCCTTG
 TCTTGGATATCACGCTCTCTGGGAAGTCTTCTTTTCCCCTCTAACCTAGGACCCTCATT
 CCGGCTCTCATAGCACAGTCTACTGCTTGTACGAATTCTAAGTATTCTTGTGCACTTA
 ATTAGCCTGTATCCTCAGAACTTTGTGAATGCCTGGAGCATAGTAGGCAGTCATATG
 TTGTATCGTGAATAAATTGCACATAGTAGCTACCCAGCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_138777

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_138777.2 , NP_620132.1
RefSeq Size:	1787 bp
RefSeq ORF:	789 bp
Locus ID:	92399
UniProt ID:	Q96E11
Cytogenetics:	9q33.2
Domains:	RRF
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: Variants 1 and 5 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>