

Product datasheet for **SC122306**

MRF (MYRF) (BC004938) Human Untagged Clone

Product data:

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|---------------------------|--------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | MRF (MYRF) (BC004938) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MRF |
| Synonyms: | C11orf9; MRF; Ndt80; pqn-47 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for BC004938 edited
 CCAGACTCGGACTTCTAAGCTTTAAGTGTGGCCAGGAGGTTTCTTCTCCCTGGGAGGGC
 TTGGCTCCCAAGAAGTCCCAGGGCAGCCGAGGCCAGCCCTGCCTGGGTTGGAGAACTGA
 CTTTGTGCCTTAAGTCTACTCAGTGCCTGGTGAAGCCACCCTCAGCCCTTACAGGCCTG
 AACCAAGTAGGGCCAGTGGGCCAGGTAAGCCCTAGAGCCTGAACCAGGAATATCCAGGA
 AGAGGAAAATCCCTTTGAGCCCCAGATGGTATTGCAGCTTCACTGCCTGCGTTCCTGGG
 AGCGTCTGGAGCTCACAGTGATCAGTGACCACATCATTCTCTGAGCAGAGGAGCAGGA
 ATCCCTCAAGCAGCAGCCTGGTCTTGGCTGGTGGGCAGATGCAAATAGCTTTTGCTGTTA
 TTAATGAAGTAATTAATAATGCACTTAAACCAGGGCAGGAAGGAATGGAAGGATGGAGC
 TAGAAAAGCTCAGAGTGGGCCAGAGCAGGGGTGTGACACTTGCAAAGACAGGGCTCTGACT
 CTGATCCCTCCCAGGGAGCCTCCGACACCCATCCCACTCCCAACCACCAAGACCCTGGGT
 TAGGGAAGAAGTTGTATCTTAAGTGCCACCTTCAAGTTTCTTAGTGGTGCCTGGTGCATT
 CCGAGGCTACATCCAGGCTCATGGAAGGAGTGTAGTATTCATTTAGCCATGTCTGCCATG
 GGTCCAGAAAATGGGAAAGGAATTGCTGTCCTTGCCTGTGGTATGCTGCCACCTCTTTG
 GGAAGCAGGCCTTGCCCTGTCCACCACCTCATTCTCAGCTTTGAATGGGAGGCCTTTCT
 ATAGTGGAGGCCTTTCCTTGAAGCCTATGAACTGCAGGCCCTTTTGCATTGATCTCA
 AAGCACTTGTCCCTCAGGATAGGGAAGAGCAGGGGGATGCAGGAATAGCAGGGATAGCTTG
 CTCCCAGCCCCCTCCCAATTTGGTTCGGTTGACATAGGAATTTTACGATTCCCAAACCA
 TGCAGGGGCTGAGCCTTCTTATGATGACTTTGTTCTCCCTCCCCTGGGGGAATCCTCC
 CTATGCCTTAAACTGCCAGCCCCACTCCATGTAATAGGATTCTGGGCTTCTCAATG
 GGGGTTTATGTTCTTGGACTGCGGGCCCTCAGTCTTAACTGGAAAGTGACCGTCCACTG
 CCCCAGGAGCCATCTGGACACAGCACAGCCCCAAAACCGTTAGCAGCTGGCTGTGTTT
 CCAAAGCTGGGAGGGGTTCCCTCAGTGCAGGAGTTGGGACAGGCTGGGGATCCAAGCTG
 CTTGAGGGGGTCAACCTTGGACCAAAGTTGCCTTAAAGCCTGTGGTAAAAGGGCTTCAGGG
 AAGGTAAGTGGGCCACCTGCTGGAAGCTGCCAGCTGCCGGCTGGCAATGGTGTGAGTGT
 CTTGGCCCTGTCCCTGCCCTGGGGTCCAGCAGGTCATCCCTCCCTTCTTCTCTCCTTT
 GGCGTTTGTCTGTAGTCACTGGGCTAATCTCCCCTAGCTTCAAGCTGTACATAGGGC
 CTCCCAGTGCAAATCCTCCTGCCATACCGTGCACCTTAGAAGCCTGCGTGTGCATAGA
 GCGCCCCCTACTCCCAGTTAACTCCCAGTTCTTCTCCCTGAGCTTGGTATTTGTCATGT
 GCCAACTCTGACTCTGAGGTGGCAGTGAGGGAAGCAGCCCCGGGCTGCTTGTCTCCTG
 TCCCCGAAATGTTGCTTTCTTCTGAAGTAAATATACATATATAAATAAATGTATAAATAC
 TGCTTTGTATCTGAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC004938 unedited
 NNGAAGTGCGGTACGAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGG
 CCAGACTCGGACTTCTAAGCTTTAAGTGTGGCCAGGAGGTTTCTTCTCCCTGGGAGGGC
 TTGGCTCCCAAGAAGTCCCAGGGCAGCCGAGGCCAGCCCTGCCTGGGTTGGAGAACTGA
 CTTTGTGCCTTAAGTCTACTCAGTGCCTGGTGAAGCCACCCTCAGCCCTTACAGGCCTG
 AACCAAGTAGGGCCAGTGGGCCAGGTAAGCCCTAGAGCCTTGAACCAGGAATATCCAGGA
 AGAAAAAATCCCTTTGAGCCCCAGATGGTATTGCAGCTTCACTGCCTGCGTTCCTGGG
 AGCGTCTGGAGCTCACAGTGATCAGTGACCACATCATTCTCTGAGCAGAGGAGCAGGA
 ATCCCTCAAGCAGCAGCCTGGTCTTGGCTGGTGGGCAGATGCAAATAGCTTTTGCTGTTA
 TTAATGAAGTAATTAATAATGCACTTAAACCAGGGCAGGAAGGAATGGAAGGATGGAGC
 TAGAAAAGCTCAGAGTGGGCCAGAGCAGGGGTGTGACACTTGCAAAGACAGGGCTCTGACT
 CTGATCCCTCCCAGGGAGCCTCCGACACCCATCCCACTCCCAACCACCAAGACCCTGGGT
 TAGGGAAGAAGTTGTATCTTAAGTGCCACCTTCAAGTTTCTTAGTGGTGCCTGGTGCATT
 CCGAGGCTACATCCAGGCTCATGGAAGGAGTGTAGTATTCATTTAGCCATGTCTGCCATG
 GGTCCAGAAAATGGGAAAGGAATTGCTGTCCTTGCCTGTGGTATGCTGCCCCCTCTTG
 GGAAGCAAGCCCTGGCCCTGTCCCAACACTA

Restriction Sites: Please inquire
ACCN: BC004938

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| Insert Size: | 1833 bp |
| 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). |
| 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: | BC004938.1 |
| RefSeq Size: | 2038 bp |
| Locus ID: | 745 |
| Cytogenetics: | 11q12.2 |
| Gene Summary: | This gene encodes a transcription factor that is required for central nervous system myelination and may regulate oligodendrocyte differentiation. It is thought to act by increasing the expression of genes that effect myelin production but may also directly promote myelin gene expression. Loss of a similar gene in mouse models results in severe demyelination. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014] |