OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC303994

MRF (MYRF) (NM_013279) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: MRF (MYRF) (NM_013279) Human Untagged Clone

Tag: Tag Free

Symbol: MYRF

Synonyms: 11orf9; C11orf9; CUGS; MMERV; MRF; Ndt80; pqn-47

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_013279, the custom clone sequence may differ by one or more nucleotides

ATGCACTGGCTTCCAGCAGGCCACGACATCAACGGTGCCCTGGAGCCCTCCAACATAGAC
ACCAGCATCCTGGAGGAGTACATCAGCAAGGAGGATGCCTCCGACCTCTGCTTCCCTGAC
ATCTCTGCTCCAGCCAGCTCGGCCTCCTACTCCCACGGGCAGCCTGCGATGCCTGGCTCC
AGCGGGGTCCACCACCTGAGCCCCCCTGGGGGTGGACCCTCCCCGGGGCGCCATGGTCCC
CTCCCACCCCCGGGCTACGGCACCCCGCTGAACTGCAACAACAACAACGGCATGGGCGCT
GCCCCCAAGCCCTTCCCGGGGGGCACCGGGCCCCCCATCAAGGCTGAGCCCAAGGCTCCC
TATGCCCCAGGCACACTGCCGGACTCTCCCCCAGACTCGGGCTCCGAGGCCTACTCCCCC
CAGCAGGTGAATGAGCCCCACCTCCTGCGCACGATAACCCCTGAGACACTGTGCCACGTG
GGAGTGCCCTCCCGCCTGGAGCATCCGCCCCCACCTCCAGCCCACTTGCCAGGCCCCCCG
CCACCCCCACCACCCCCACCTCACTACCCTGTCCTGCAGCGGGATCTGTACATGAAGGCC
GAGCCCCCGATCCCCCACTACGCTGCCATGGGGCAGGGGCTGGTGCCCACTGATCTTCAC
CACACCCAGCAGTCCCAGATGCTGCACCAGCTCCTGCAGCAGCACGGAGCTGAGCTCCCT
ACACACCCCTCCAAGAAGAGGAAGCACTCTGAATCCCCCCCCAGCACCCTCAATGCCCAG
ATGCTGAATGGAATGATCAAACAGGAGCCTGGGACCGTGACAGCCCTGCCTCTGCACCCC
ACTCGAGCCCCATCGCCACCCTGGCCTCCCCAGGGTCCGCTCTCCCCGGGCCCTGGTTCC
TTGCCTCTCAGCATTGCCCGTGTCCAGACACCGCCTTGGCACCCGCCAGGTGCCCCCTCC
CCAGGCCTCCTGCAGGACAGTGACAGCCTCAGTGGCTCCTACCTGGACCCCAACTACCAG
TCCATCAAGTGGCAGCCTCATCAGCAGAACAAGTGGGCGACCCTGTACGATGCTAACTAC
AAGGAGCTGCCCATGCTCACCTACCGCGTGGATGCGGACAAGGGCTTCAACTTTTCGGTG
GGCGACGACGCCTTTGTGTGCCAGAAGAAGAACCACTTCCAGGTGACAGTGTACATCGGC
ATGCTGGGCGAGCCCAAGTACGTCAAGACGCCCGAGGGCCTCAAGCCCCTCGACTGCTTC
TATCTGAAGCTGCACGGAGTGAAGCTGGAGGCCCTGAACCAGTCCATTAACATCGAGCAG
TCCCAGTCAGACCGGAGCAAGCGGCCCTTCAACCCGGTCACGGTCAATCTGCCCCCTGAG
CAGGTCACGAAGGTGACTGTGGGGCGGCTGCACTTCAGCGAGACCACCGCTAACAACATG
CGTAAGAAGGGCAAGCCCAACCCGGACCAGAGGTACTTCATGCTGGTGGTGGCCCTCCAG
GCTCATGCACAGAACCAGAACTACACGCTGGCCGCCCAGATCTCAGAGCGCATCATTGTG
CGGGCCTCCAACCCAGGCCAGTTCGAGAGCGACAGCGATGTGTTGTGGCAGCGGGCACAG
GTGCCCGACACCGTCTTCCACCACGGCCGCGTGGGCATCAACACAGACCGGCCGGATGAG
GCGCTGGTTGTGCACGGGAATGTCAAGGTCATGGGCTCGCTTATGCACCCCTCCGACCTG

View online »

CGCGCCAAGGAACACGTGCAGGAGGTGGACACCACCGAGCAATTGAAGAGGATCTCGCGC
ATGCGGCTGGTGCACTACAGATACAAGCCCGAGTTCGCCGCCAGCGCGGGCATCGAGGCC
ACCGCGCCAGAGACAGGTGTCATCGCTCAGGAGGTGAAGGAGATCTTGCCTGAGGCTGTG
AAAGACACCGGAGACATGGTCTTTGCCAATGGGAAAACCATAGAGAACTTCCTGGTGGTG
AACAAGGAGCGCATCTTCATGGAGAACGTAGGGGCCGTGAAGGAGCTGTGCAAGCTGACA
GACAACCTGGAGACGCGCATTGATGAGCTGGAGCGCTGGAGCCACAAGCTGGCCAAGCTG
CGGCGGCTCGACAGCCTCAAGTCCACCGGCAGCTCGGGCGCCTTCAGCCATGCAGGGAGC
CAGTTCAGTCGGGCGGGCAGCGTCCCCCACAAGAAGAGGCCCCCCAAGGTGGCCAGCAAG
TCATCGTCCGTGGTTCCGGACCAGGCCTGCATCAGCCAGCGCTTCCTGCAGGGAACCATC
ATTGCCCTGGTGGTGGTCATGGCCTTCAGCGTGGTGTCCATGTCCACACTGTACGTGCTG
AGCCTGCGCACAGAGGAGGACCTGGTAGACACTGATGGCAGGTCCAGCCAGAGCTTTGGG
ACCACGCAGCTCCGACAGTCCCCCTTGACCACGGGGCTACCAGGCATACAGCCCTCTTTG
CTGCTGGTGACCACCAGCCTCACCAGCTCGGCCCCAGGTTCTGCTGTCCGCACCTTGGAC
ATGTGTTCCAGCCACCCCTGCCCTGTCATCTGCTGTTCCTCACCCACTACCAACCCTACC
ACTGGTCCTAGTCTTGGCCCCAGCTTTAACCCTGGCCATGTTCTCAGCCCAAGTCCCAGC
CCCAGCACCAACCGCTCAGGCCCCAGCCAGATGGCCCTTCTGCCAGTCACCAACATCAGA
GCCAAGTCCTGGGGTCTTTCAGTCAATGGCATTGGCCACTCCAAGCATCACAAGAGTCTG
GAGCCTCTGGCCAGCCCTGCAGTCCCCTTCCCTGGGGGGCAGGGCAAAGCCAAGAACAGT
CCCAGCCTTGGTTTCCATGGCCGGGCCCGCCGAGGGGCCCTCCAGTCCAGCGTGGGCCCT
GCTGAGCCCACCTGGGCCCAGGGCCAGTCAGAGCCAGTGCCCTCCCTGACCTCCATCCAG
GTGCTGGAGAATTCGATGTCCATCACCTCCCAGTACTGTGCTCCAGGGGATGCCTGCAGG
CCTGGGAACTTCACCTACCACATCCCTGTCAGTAGTGGCACCCCACTGCACCTCAGCCTG
ACTCTGCAGATGAACTCCTCCTCCCCCGTGTCTGTGGTGCTGTGCAGCCTGAGGTCAAAG
GAGGAACCATGTGAGGAGGGGAGCCTTCCACAGAGTCTCCACACCCACCAGGACACCCAG
GGCACCTCTCACCGGTGGCCAATAACCATCCTGTCCTTCCGTGAATTCACCTACCACTTC
CGGGTGGCACTGCTGGGTCAGGCCAACTGCAGTTCAGAGGCTCTCGCCCAGCCAGCCACA
GACTACCACTTCCACTTCTACCGCCTGTGTGACTGA

Restriction Sites: Please inquire

ACCN: NM_013279

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:
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_013279.1, NP_037411.1
RefSeq Size:	5745 bp
RefSeq ORF:	5745 bp
Locus ID:	745
UniProt ID:	Q9Y2G1
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] Transcript Variant: This variant (1) encodes isoform 1.