

## Product datasheet for SC323261

### MRF (MYRF) (NM\_001127392) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MRF (MYRF) (NM_001127392) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYRF
Synonyms:	11orf9; C11orf9; CUGS; MMERV; MRF; Ndt80; pqn-47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323261 representing NM_001127392. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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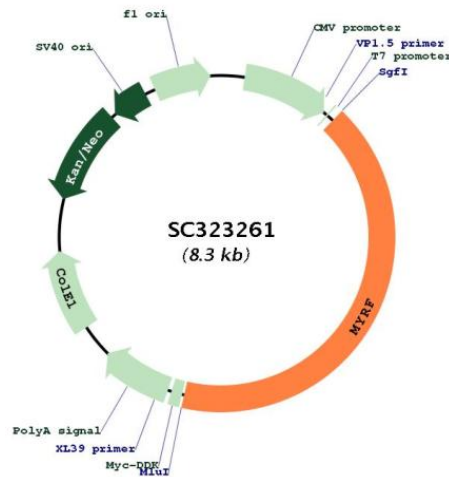
[View online >](#)

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Restriction Sites:

Sgfl-Mlul

Plasmid Map:



<b>ACCN:</b>	NM_001127392
<b>Insert Size:</b>	3456 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127392.2</a></u>
<b>RefSeq Size:</b>	5949 bp
<b>RefSeq ORF:</b>	3456 bp
<b>Locus ID:</b>	745
<b>UniProt ID:</b>	<u><a href="#">Q9Y2G1</a></u>
<b>Cytogenetics:</b>	11q12.2
<b>MW:</b>	124.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks a 5' exon and uses an alternate 5' terminal exon, compared to variant 1. It encodes isoform 2 which is longer and has a distinct N-terminus compared to isoform 1.</p>