

Product datasheet for **SC100046**

MRGPRF (NM_145015) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRGPRF (NM_145015) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRGPRF
Synonyms:	GPR140; GPR168; MRGF; RTA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100046 sequence for NM_145015 edited (data generated by NextGen Sequencing)

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ATGGCTGGAAGTCTCCTGGGAGGCCATCCCGCAACAGGAACAGGATGTGCCCTGGC
CTGAGCGAGGCCCGGAAGTCTACAGCCGGGGCTTCTGACCATCGAGCAGATCGCGATG
CTGCCGCTCCGGCCGTCATGAAGTACATCTTCTGCTCCTCTGCCTGTGTGGCCTGGTG
GGCAACGGGCTGGTCTCTGTTTTTTCGGCTTCTCCATCAAGAGGAACCCCTTCTCCATC
TACTTCTGCACCTGGCCAGCGCCGATGTGGGCTACCTCTCAGCAAGGCGGTGTCTCC
ATCCTGAACACGGGGGGCTTCTGGGCACGTTTGCCGACTACATCCGACGCTGTGCCGG
GTCCTGGGGCTCTGCATGTTCTTACCGCGTGAGCCTCCTGCCGGCCGTGAGCGCCGAG
CGCTGCGCCTCGGTATCTTCCCGCCTGGTACTGGCGCCGGCCCAAGCGCCTGTCCG
GCCGTGGTGTGCCCTGCTGTGGGTCCTGTCCCTCCTGGTCACCTGCCTGCACAACACT
TTCTGCGTGTTCCTGGGCGCGGGGCCCGGCGCGCCTGCAGGCACATGGACATCTTC
CTGGGCATCCTCCTGTTCTGCTGCTGCCCCGCTCATGGTGTGCCCTGCCTGGCCCTC
ATCCTGCACGTGGAGTGGCGGGCCGACGGCGCCAGCGCTCTGCCAAGCTCAACCACGTC
ATCCTGGCCATGGTCTCCGTCTTCTGGTGTCTCCATCTACTTAGGGATCGACTGGTTC
CTTTCTGGGTCTTCCAGATCCCGGCCCTTCCCGAGTACGTCACTGACCTGTGCATC
TGCATCAACAGCAGCGCCAAGCCATCGTCTACTTCTGGCCGGGAGGGACAAGTCGCAG
CGGCTGTGGGAGCCGCTCAGGGTGGTCTTCCAGCGGGCCCTGCGGGACGGCGCTGAGCTG
GGGAGGCCGGGGCAGCACGCCAACACAGTACCATGGAGATGCAGTGTCCCGGGG
AACGCCTCCTGA

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Clone variation with respect to NM_145015.4
47 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145015 unedited GTATTTTGTAAATACGACTCACTATAGGGCGGCCCGCAATTCGCACCAGCAAGGCTCCGG GCCGCGCTCGGCCTGGCCTGCTGCCCCGGCGGGTCCGCCGGCCGAGGCGGGAGTCACA GGAAGAGCCCTCCACAAAAGGAGGCCTCGGCGGATCAGGACAGCTGCAGGTGGGTGTGCA GACTGGTGAAGTCCAGCAGGGGCCAGACGCGCCAGGCTGGAGATGGCTGAAACTGC TCCTGGGAGGCCATCCCGGCAACAGGAACAGGATGTGCCCTGGCCTGAGCGAGGCCCG GAACTCTACAGCCGGGGCTTCTGACCATCGAGCAGATCGCGATGCTGCCCTCCGGCC GTACTGAACACATCTTCTGCTCTCTGCTGTGTGGCCTGGTGGGCAACGGGCTGGTC CTCTGGTTTTTCGGCTTCTCCATCAAGAGGAACCCCTTCTCCATCTACTTCTGCACCTG GCCAGCGCGATGTGGGTACTCTTTCAGCAAGGCGGTGTCTCCATCCTGAACACGGNG GGCTTCTGGGCACGTTTGCCGACTACATCCGCAGCGTGTGCCGGTCTGGGGCTGTC ATGTTCTTACCAGCGTGAAGCTNCTGCCGGCCGTCATCGCCGAGCGCTGCGCCCTGTC ATCTTCCGNCCTGGTACTGGNCGCCGCGGCCAAGCGCCCTGTCGNCTGTGTGCGCC CTGCTGTGGTCTGTCCTNCTGGTACCTGCCTGCACAACTACTTCTGCGTNTCT GGGGCCGCGNCCCGCGCGGCTGACGACATGGACATCTNCTGGCATNNTCTCTG TNCCTGCTGCTGCCCGCTCATGGTGTGCCCTGNCCTGGCCTCATNCTGCACNTGGAGT GCCGGGCCGAAGNGCCANNCTCTGCCAACTACCACGTATCCTGCCATGGGCTCCGCT NCTGGGCCTCATCTACTAGGATCGACTGGTCTCTTTGGNCTTCAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145015 unedited TCCCCATTTGAAAAGTTTATTGTTACTTTTGTCTTTTATAAACTTCCGTGGCCACATT GGGCCACTGTGCACCACAGTCCAGTCCCAGGTGGCCAGGGCGGAGCCAGTGTCCACTT TCGGGTGGGGCTGGAGCCAAGAGGCTGTCCAGGAGCTGCCAGTGGGTCTCATGGCCT GCGGGATACCTCAAGTGTCCCAGGAGCAGCCTAGGACTGGCTCGTCCCAGATCAGAAA AGGCAGGTCAACTACCAAGCGGCCAAAGGCCCTTCTGTCTCCAGAGCCTTGACATAA CCAGAAATCCCCCATCAAAGTACCAAATGACTCGACGGGGGAAGGGAGGTTGTTTGC AGAAAGACTTAGCTACAAGGCATGTGAACCAGAACTTTCTTCCAGACACCATTTCTTCA CATTTGCTCACTGATAATGCCTAAGAGGATCGAATCTCTGGAACAGCCCTGAATGGCAG GGATGAGGCTGTGGCCTGGTGTGGTGGGACACAGTCAAGGAGGGCTGACCAAGAGG CAGAGGTGGCTAGGCTGGGTGTGACCTCTCTTTTACCAACCAGCCTAGGGCAAGGA GGGGCCCCACCACCTGGGGCAACTTCTGTACAAGAGGTCTTAGGGGAGCAGAATGGGT GGGGAGCCGGCAGGGGCCACAGGGTCTGTTTGTGGTGGCTGCCAGTCTCCAGCCA CCCCTGGAGTCCCAGCCAGGGAGAAGGAGGCCGAGGAGAGGAAACAGATCTTTCTTC TCCTGTATGGACTCAGAAGCAGGTGCCATTCTGTCCCAAGGGCGAAGGTCTTTGGAGC CGTTCTGCCCTGCCTCTNCAGGCGCTGGAGT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_145015
Insert Size:	2250 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:

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_145015.2](#), [NP_659452.2](#)

RefSeq Size: 2153 bp

RefSeq ORF: 1032 bp

Locus ID: 116535

UniProt ID: [Q96AM1](#)

Cytogenetics: 11q13.3

Domains: 7tm_1

Gene Summary: Orphan receptor. May bind to a neuropeptide and may regulate nociceptor function and/or development, including the sensation or modulation of pain (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses a different splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.