

## Product datasheet for **RR206818**

### Mecr (NM\_017209) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mecr (NM\_017209) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mecr  
**Synonyms:** Nrbf1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206818 representing NM\_017209  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGGTCAGCCGGCGACTGACAGGGGCGGAGCCCGGCACCTCTGCTTGGAGTCTCCTCGAGGCTT  
 GGTGCCCGCAGGGCAGGACCACCTCCTCTACTCCGCTTCTCGGAGCCGTCGCATGTGCGGGCGCTGGT  
 CTATGGCAACCACGGGGATCCAGCCAAGGTCATCCAATGAAGAACCTGGAGCTACTGCTGTGGAAGGA  
 TCTGACGTCCATGTGAAGATGCTGGCAGCCCTATCAATCCATCTGACATAAATATGATCCAAGGAACT  
 ATGGCCTCCTTCCAAGCTGCCTGCTGTTGGAGGGAATGAAGGTGTTGGACAGGTGATAGCAGTGGCGAG  
 CAGTGTGTCTGGATTGAAGCCAGGAGATTGGGTGATCCCAGCAAATGCTGGTTTGGGAACCTGGCGGACT  
 GAGGCGGTGTTTCAGTGAGGAAGCGCTGATTGGAGTCCCTAAGGACATCCCTCTCCAGAGTGTGCCACCC  
 TAGGTGTCAACCCTGCACAGCTACAGGATGTTGGTGGACTTTGAACAGCTACAACCAGGGGACTCTGT  
 CATCCAGAATGCGTCCAACAGTGGAGTAGGGCAAGCAGTCATTCAGATCGCCTCAGCCCTTGGCCTAAAG  
 ACCATCAACGTGATCCGAGACAGACCTGACATCAAGAAGCTAATGACAGACTGAAGGATCTAGGAGCTG  
 ATTATGTCCTCACAGAGGAGGAGCTAAGGATGCCCGAGACAAAACATCTTCAAGGACCTGCCGCTGCC  
 CCGACTGGCTCTCAACTGTGTCGGTGGGAAGAGTTCCACAGAGCTGCTCCGGCACCTAGCGCCCGGAGGA  
 ACCATGGTGACCTATGGAGGAATGGCCAAGCAGCCTGTAACAGCCTCTGTGAGTATGCTCATTTTTAAGG  
 ACCTCAAACCTTCGTGGCTTTTGGTTGTCCAGTGGAAAGAACCATAGTCCAGATGAGTTCAAGGAGCT  
 GATTCTCATTCTGCAACCTCATCCGCCAAGGCCAGCTCACAGCCCCTGCCTGGTCCGGGATTCCACTG  
 CAGGACTACCAGCAGGCTTTGGAAGCCTCCATGAAGCCTTTTGTGCTTTGAAGCAGATTCTCACTATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206818 representing NM\_017209  
 Red=Cloning site Green=Tags(s)

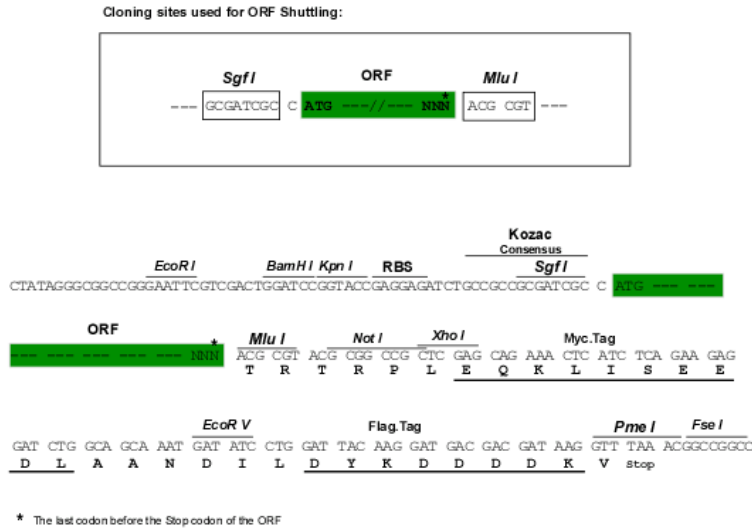
MLVSRRLTGARARAPLLASLLEAWCRQGRTTSSYSAFSEPSHVRALVYGNHGDPKVIQLKNELETAVEG  
 SDVHVKMLAAPINPSDINMIQGNVGLLPKLPVGGNEGVGQVIAVGSSVSLKPGDWVIPANAGLTWRT  
 EAVFSEEALIGVPKDIPLQSAATLGVNPTAYRMLVDFEQLQPGDSVIQNASNSGVGQAVIQIASALGLK  
 TINVIRDRPDIKKLTDRLKDLGADYVLTEELRMPETKNIKFDLPLPRLALNCVGGKSSTELLRHLAPGG  
 TMVTYGGMAKQPVTASVSMILFKDLKLRGFWLSQWKKNHSPDEFKELILILCNLIRQGQLTAPAWSGIPL  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

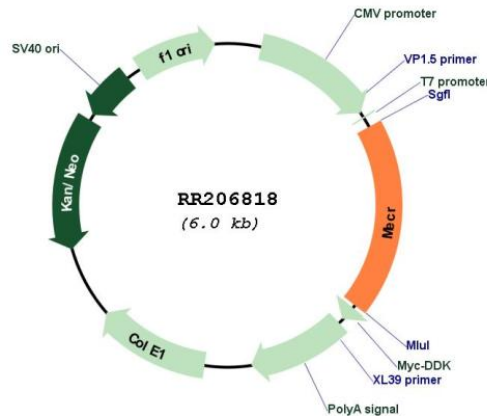
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_017209

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_017209.1</a> , <a href="#">NP_058905.1</a>
<b>RefSeq Size:</b>	1302 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	29470
<b>UniProt ID:</b>	<a href="#">Q9Z311</a>
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	40.3 kDa
<b>Gene Summary:</b>	interacts with PPARalpha and with various nuclear hormone receptors [RGD, Feb 2006]