

## Product datasheet for **RN203509**

### **MGC93861 (NM\_001044281) Rat Untagged Clone**

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | MGC93861 (NM_001044281) Rat Untagged Clone                                         |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | MGC93861                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN203509 representing NM_001044281<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGTGGGCTCAGAGGAAGAAAGGAAGGCCACACAGAGACTACAGAAGACAAGCCTGCGGAATCCC  
 ACAGACCAATGACAGCTGGATCAAAATCCCACTTCAGCCGCCTTTCTGAAGAGAAGTTGCCCGCTACCG  
 CCGTGTACGACAGCTGTGGGTACTACCCGAAGGCAAGCATGGGGAGGCCAATACCACCCTCCACGTGGAC  
 ACCGTTACCACCAACACGGAGAAGGGGCGTGGCTCTGCACCGAGATTCTTTGCCAGCAACAGAAGA  
 TATCTGGGACCTCAGTGTCCAAGAGATGCAAAGGGAGTCAGGAAAGTCCCGTCCATGGAGAATGACAC  
 CTGGGCTGCTGTGGCAGCTTGTACAAAGGAGATCGACGCCAAGGGGCATCATGTGGCTAATTCCGTGCTT  
 CAGCGTTCCTCCAGAGTATCACCGTACAGGCCATGCGGAGTCCAGGAACATTAGCCAGAAGATCTGAAGG  
 CTTTGGAGGAAGTGGAGTTAAAGCTGAAAGGGAATTTCTAACTACCGTGAAACCGTCGTAGCTGGCGC  
 CAACCAAGCACACACTGTCTATAACCAGAGTCACCATGGTAACCAAGCCACCAAAACCACAATACCTAT  
 CCATGCCACCAGAACAACCAGAGTCGTTCTGTTCACTACCAGGGTCATCATCAAGTCACCTTGAGCCACC  
 AGGGTTATCCAAGTTACTCAAGTCACCAGAATCATCCGGGCCACCAAGCCAGCAGGGTCATTGAGCCA  
 TTCAAACCAACAGGGTCATCTGGGCCTCTCAAGCCAGCAGGGTCATCAAGTCAGTCAAGTCATCAGAGT  
 CACCAGGGTCAGCCAGGACACCAAAACCATCAGAGCCATAGCCTGGTCAACCGCAGAAACCAATTTATG  
 ACTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                    |              |
|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001044281 |
| Insert Size:       | 918 bp       |


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>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_001044281.1</a></u> , <u><a href="#">NP_001037746.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>           | 1386 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 918 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 682010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>            | <u><a href="#">Q6AYN3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>          | 1q54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |