

Product datasheet for **MC209311**

Rem1 (NM_009047) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rem1 (NM_009047) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rem1
Synonyms: E030011C07Rik; Ras; Rem
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209311 representing NM_009047
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTCTTAACACCCAGCAGGAAGCAAAGACCACTCTGCGACGTCGAGCAAGCACACCACTACCCCTGT
CGTCCAGGGGCCACCAGCCTGGCCGCCTGTGCACAGCACCCCTCTGCTCCATCCCAGCATCCCCGACTGGG
TCAGTCAGTCTCTCAACCCTCCCGTCCGAAACCCCTCCCTGCCAGGATGGGTGGTCTCTGAATCC
AGCGACTCCGAAGGCTCTTGGGAGGCACCTACCGGGTGGTGCTTCTGGAGACCCTGGTGTGGGAAGA
CTAGCCTGGCTAGCCTCTTCGCAGAGAAACAAGACCGAGACCCTCACGAGCAGCTGGGAGGTGTGTACGA
GAGAACGCTGTCAGTGGACGGAGAGGACCACTCTGGTGGTCATGGACACCTGGGAGGCTGAGAACTG
GATGAAAGCTGGTGCCAGGAGTCATGCCTGCAGGCAGGCAGCCCTACGTCATCGTGTACTCCATAGCGG
ATCGCAGCAGCTTTGAGAGCGCCTCGGAGCTCCGAATCCAGCTGAGGGCGCACGCATCAGGCCAACCCGT
GCCATCATCTGGTGGGCAACAAGGCCGACCTGGCCCGCTGCCGGGAAGTCTCGGTAGAAGAGGGTCCG
GCCTGCCCGTGGTGTTCGACTGCAAGTTCATCGAGACTTCGGCCACTCTGCAGCACAATGTGACAGAGC
TCTTCGAGGGCGTGGTGCGCCAACTGCGCCTGCGCCGACGACAATGCAGCCCCGAGACACCTTCACC
TCGACGACGGGCCAGCTTGGGCCAGCGCCCGCCGATTCTGGCACGCTGACAGCAGCGCACGACGA
CGCCGGGCACTTAAAGCCCGCTCCAAGTCTGCCACAACCTGGCTGTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009047
Insert Size: 894 bp



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| 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: | <ol style="list-style-type: none">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: | <u>NM_009047.5</u> , <u>NP_033073.1</u> |
| RefSeq Size: | 1603 bp |
| RefSeq ORF: | 894 bp |
| Locus ID: | 19700 |
| UniProt ID: | <u>O35929</u> |
| Cytogenetics: | 2 H1 |
| Gene Summary: | Promotes endothelial cell sprouting and actin cytoskeletal reorganization (By similarity). May be involved in angiogenesis. May function in Ca(2+) signaling.[UniProtKB/Swiss-Prot Function] |