

## Product datasheet for **MC212718**

### Rmi2 (NM\_001162932) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rmi2 (NM\_001162932) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rmi2  
**Synonyms:** A630055G03Rik; Gm537; Gm929  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212718 representing NM\_001162932  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGTGCGGCGTCCGAGTCGCTGTCCTCCGGTGGCCCCGGGGCCGTGCGGCTGCCGCGTTGCCGC  
CACTCAAGGTAAGGACTGGCAGGACAGCTGCGCGGCACGCAGAGGGTGGCCCCGGGCGCGTGGCGGCTGTCGCG  
GGCGGCGGTGGGCGCGCTCCGCTGGAGCTGGTGGCCGTGTGGATGCAGGGTACCGTGTGCGGCGGAA  
GGCGGCCAGGCCCGCTGCGCGACTCGAGCGGAGCCTTCTGTGCGCGGCTGGAGCGGTACCGCGG  
GCCGGCCCTGCCTCCAGGAAAGTATGTGATGGTGTGGGGTGGTTCAGGCCTGCAGTCTGAGCC  
CTGCCTGCAGGCCGTGAAGATGACGGATCTTTCTGACAATCCTGTCCACGAAAGCATGTGGGAACTGGAG  
GTGGAAGATTTACACAGGAATATTCCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001162932  
**Insert Size:** 450 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).



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<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>NM_001162932.1, NP_001156404.1</u>
<b>RefSeq Size:</b>	3739 bp
<b>RefSeq ORF:</b>	450 bp
<b>Locus ID:</b>	223970
<b>UniProt ID:</b>	<u>Q3UPE3</u>
<b>Cytogenetics:</b>	16 A1
<b>Gene Summary:</b>	Essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates. It is required to regulate sister chromatid segregation and to limit DNA crossover. Essential for the stability, localization, and function of BLM, TOP3A, and complexes containing BLM. In the RMI complex, it is required to target BLM to chromatin and stress-induced nuclear foci and mitotic phosphorylation of BLM. [UniProtKB/Swiss-Prot Function]