

Product datasheet for **MC219740**

Rmi1 (NM_001168248) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rmi1 (NM_001168248) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rmi1
Synonyms:	4932432N11Rik; C79893
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219740 representing NM_001168248
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGTAGCTAGTGCTGTATTAAGAGTTGAAACCTGGCTTTTGGCAACATGGCATGTTAAGGTACCTC
 CAATGTGGCTGGAAGCTTGTGTTAACTGGATCCAAGAAGAAAATAATAATGCTACTTTGAGTCAGGCACA
 AATAAATAACAAGTGTGGAGCAATGGCTTCTACTGACCTGAGAGACTTGAACATCCTCTTACCT
 GATGACATTTTAGAACTGCCAAAGGGAGAAGTGAATGGGTTTTATGCTCTACAGATCAATCTTTGGTTG
 ATGTGAGTCAGCCTGCTTATTCACAGATACAGAAGCTGAGAGGAAAGAATAACAACCAATGATCTCGTCTC
 AGCTGAAACGCAGAGTACTCCAAAACCATGGGAAGTGGGCTTCTCGGATGCTGATGCTACAGCTCACT
 GATGGTGTACACACATTACAGGAATGGAGTATCAGTCTATCCCAGCTCTCCATAGTGGTCTTCTCCAG
 GTACAAAAATTTAGTTCGTGGATGCATTTTGTCCGTCTGGTGTCTTACTGAAACCAGAAAATGT
 GAAGGTGCTAGGGGTGAGGTAGATGGTCTTTCAGAAGAAAATGCCCAAGAAAAGTACTTGCAAGATTA
 ATTGGGGAACCTGATCCTACAGTCCAGTCAATCCAAATAATTCCATTACAACGTGCCCAAAGTTTCAG
 GGGCTTAGATGCTGTTTTGGGGCCCTCGGATGAAGAAGTCTTGGCAAGTCTTGTGAAAGTGAAGAGTC
 TGCAGCAAATAATGACGTGGCTATGAAAAGAAGCTGTTTCAGCACAGGCCTTCCCTCAAATACTACTCCG
 ACAAAATCCGTCTGGTTTTGAGCCAGGATGTAACATTTCTCAAGGCCAAAGGAGAAAACCAAAACCAGC
 CCACGCATTTCACTGATGGAGAATTTGATGACTTTTCACTGGAAGAGGCCTTGTCTTGGAAAGAGACTGT
 CCAGAAAGAACAGATGAAAACAAAAGCATCGCAGCCACTAACTTTGAAGGAAAACACTGGTAAATGTATG
 GAGATTTTTTACATAAACCTAGTAGTCTGAACCACACAGCTTTGATTCATAAACAAGGAAACAGCAATT
 TTGATGAAAAAACATCTGAACAAATGATTCATGAAGACAAATTTTTGATTGTGCATCTACTAGAAACCA
 TCATAAGAGATTCTCAGCTCATGATTTTACAAATGACAGTAAGATTTTCAGAAGTAGATGATGCAGCACAA
 CAGACCCTCAGCAGTTCAAATGTACATTGCTTACGTAATAAAATATTAACAGAAAAGCTGGACCTATCAG
 AAAAGAGTTCACAAATTTCTAAAGAAAATGGCCACCCTTCCAGGCTTGTCTTCAAGATCATTTGAGAA
 TAATACTATCTATCTATTGGCATGGACTTACATTCTCCACCCTTATCTATTTGTCTGTCTAATGGCC
 AGAAAGCCAAAGGAAGTTACTACTGTGACAGTCAAAGCGTTTATTGTCACTTTAACTGGAATCTCTCAA
 GTTCTGGTGGCTTTTGGGTGTAAGTCAAAGTTTCTGATGGTACTGCATATCTAGATGTAGATTTTAT
 AGACGAAATACTTACCAGTATGATAGGGTATTCAGTACCAGAAAATGAAACAATTAAGAAAGGACCCTCTT
 AAATATAAACATTCCTAGAAGGTTACAGAAAATGTCAGCGAGATCTGATCGATTTGTGTTCCCTGATGA
 CTATTTTCATACGATCCTTCTCATGTAAGGGGTGGTGTGGAATTGCAAGATGTTGGTATGGAACACGT
 GGAGAACCTAAAGAAACGGTTGAATAAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001168248
- Insert Size:** 1851 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_001168248.1](#), [NP_001161720.1](#)

RefSeq Size: 3607 bp

RefSeq ORF: 1851 bp

Locus ID: 74386

UniProt ID: [Q9D4G9](#)

Cytogenetics: 13 B1

Gene Summary: Essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates to limit DNA crossover formation in cells. Promotes TOP3A binding to double Holliday junctions (DHJ) and hence stimulates TOP3A-mediated dissolution. Required for BLM phosphorylation during mitosis. Within the BLM complex, required for BLM and TOP3A stability (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.