

## Product datasheet for **SC127207**

### **RMI2 (NM\_152308) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RMI2 (NM_152308) Human Untagged Clone
Tag:	Tag Free
Symbol:	RMI2
Synonyms:	BLAP18; C16orf75
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127207 sequence for NM_152308 edited (data generated by NextGen Sequencing) ATGGCGGCGGCTGCGGACTCGTTCTCAGGCGGCCCGCGGGGTGCGGCTCCGAGGTCG CCGCCACTCAAGGTGCTGGCGGAGCAGCTGCGGCGGACGCGGAGGGCGGCCCGGGCGCG TGGCGGCTGTACGGGCGGCGGGCCGCGGGCCGCTGGACCTGGCAGCCGTGTGGATG CAGGGCAGGGTAGTGATGGCGGACCGCGGCGAGGCTCGGCTGAGGGACCCGAGCGGGGAC TTCTCGGTCCGCGGCCTGGAGCGGGTGCCGCGGGCGGGCCCTGTCTAGTCCCAGGAAAG TATGTGATGGTATGGGAGTGGTTCAGGCCTGCAGCCCTGAGCCCTGCCTGCAGGCTGTG AAGATGACCGACCTTTCTGATAATCCCATCCATGAAAGTATGTGGGAAGTGGAGGTAGAA GATTTACACAGGAATATTCCTTAG  Clone variation with respect to NM_152308.1 168 g=>a;369 a=>c



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_152308 unedited TTTTGGTCTACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGAGGCGGAATG GCGGGCGCTGCGGACTCGTTCTCAGGCGGCCCGCGGGGGTGGCGCTTCCGAGGTCGCCG CCTACTCAAGGTGCTGGCGGAGCAGCTGCGGCGCGACGCGGAGGGCGGCCCGGGCGCGTGG CGGCTGTACGGGCGGCGGGCGGGCCGCGGGCCGCTGGACCTGGCAGCCGTGTGGATGCAG GGCAGGGTAGTGATGGCGGACCGCGGAGGCTCGGCTGAGGGACCCGAGCGGGGACTTC TCGGTCCGCGGCTGGAGCGGGTGCCGCGGGCGGCCCTGTCTAGTCCCAGGAAAGTAT GTGATGGTGATGGGAGTGGTTTCAGGCCTGCAGCCCTGAGCCCTGCCTGCAGGCTGTGAAG ATGACCGACCTTTCTGATAATCCCATCCATGAAAGTATGTGGAACTGGAGGTAGAAGAT TTACACAGGAATATTCCTTAGAGTATGTTGAACTGTCGTTAAAAACAACCAAAATCCC AACTATTTAGAAGCTTATAATGATGTGGATTTTCATGGATACTTTTCAATGCGTATTTTT CAAATGCTTCTCAGAGAGCCTTGCTTTGGTTGACCAAGGAGTCCGGATGTANGAATGTTT AAATCCTCGGATACTTCAGTGACACAGCCTCTGCTGCCCTTGCNTTTCCTGTGTTGCT GATGAAAAACAGATGCTTGTGTTTCATTTTCTCCTGGNTTGNNGTGTGTAATTTCTCT CTCTCTCTCAGACCCAGAAGTCTCATGTTGCCATTTCAAATTTATGAGTGATGATAC TTTTCCATTACTGCTGCGTCCCTGTTTTACATGCAAAATTAAGTACGGCATTGCCATGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152308
<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.  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>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_152308.1</a> , <a href="#">NP_689521.1</a>
<b>RefSeq Size:</b>	1462 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	116028

UniProt ID: [Q96E14](#)

Cytogenetics: 16p13.13

Gene Summary: RMI2 is a component of the BLM (RECQL3; MIM 604610) complex, which plays a role in homologous recombination-dependent DNA repair and is essential for genome stability (Xu et al., 2008 [PubMed 18923082]).[supplied by OMIM, Nov 2008]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.