

Product datasheet for **RG205111**

RMI2 (NM_152308) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RMI2 (NM_152308) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RMI2
Synonyms: BLAP18; C16orf75
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205111 representing NM_152308
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGGCGGCTGCGGACTCGTTCTCAGGCGGCCCGCGGGGTGCGGCTTCCGAGGTGCGCCCACTCA
AGGTGCTGGCGGAGCAGCTGCGGCGGACGCGGAGGGCGGCCCGGGCGCTGGCGGCTGTACGGGCGGC
GGCGGGCCGCGGGCCGCTGGACCTGGCGGCCGTGGATGCAGGGCAGGGTAGTGATGGCGGACCGCGGC
GAGGCTCGGCTGAGGGACCCGAGCGGGACTTCTCGTCCGCGGCTGGAGCGGGTGCCGCGGGGCGGC
CCTGTCTAGTCCCAGAAAGTATGTGATGGTATGGGAGTGGTTCAGGCCTGCAGCCCTGAGCCCTGCCT
GCAGGCTGTGAAGATGACAGACCTTTCTGATAATCCCATCCATGAAAGTATGTGGAACTGGAGGTAGAA
GATTTACACAGGAATATTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205111 representing NM_152308
Red=Cloning site Green=Tags(s)

MAAAADSFSGGPAGVRLPRSPPLKVLAEQLRRDAEGGPGAWRLSRAAAGRPLDLAAVWMQGRVVMADRG
EARLRDPSGDFSVRGLERVPRGRPCLVPGKYVMVMGVVQACSPEPCLQAVKMTDLSDNPIHESMWELEVE
DLHRNIP

TRTRPLE - GFP Tag - V

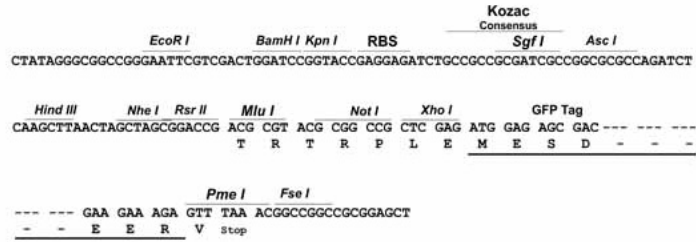
Restriction Sites: Sgfl-MluI



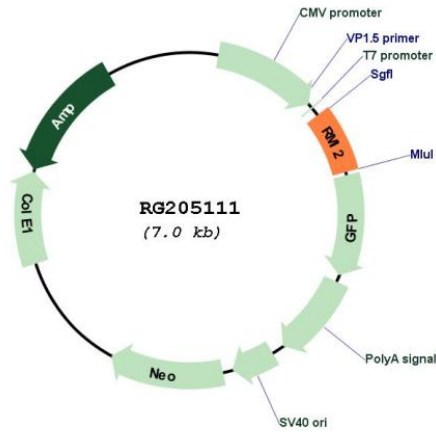
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_152308
 ORF Size: 441 bp

OTI Disclaimer:	<p>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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. More info</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_152308.3</p>
RefSeq Size:	<p>1462 bp</p>
RefSeq ORF:	<p>444 bp</p>
Locus ID:	<p>116028</p>
UniProt ID:	<p>Q96E14</p>
Cytogenetics:	<p>16p13.13</p>
Gene Summary:	<p>RM12 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]</p>