

## Product datasheet for **RG208030**

### **BLAP75 (RMI1) (NM\_024945) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BLAP75 (RMI1) (NM_024945) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RMI1
Synonyms:	BLAP75; C9orf76; FAAP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208030 representing NM_024945 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGTGACTAGTATTGCATTAAGAGCTGAACTTGGCTTTTAGCTGCATGGCATGTTAAAGTACCTC  
CGATGTGGCTGGAAGCTTGATTAAGTGGATCAAGAAGAAAATAATAATGTTAACTTGAGTCAGGCCCA  
AATGAATAACAAGTGTGGAGCAGTGGCTCCTTACTGATCTGAGGGATTGGAGCATCCTCTTTACCC  
GATGGCATTGAAAATCCAAAAGGAGAATTAATGGATTTATGCTCTGCAGATTAATCCTTGGTTG  
ATGTAAGTCAGCCTGCATACTCCAGATACAGAAGTTGAGAGGAAAGAATACAACAAATGATCTAGTTAC  
AGCTGAAGCACAAGTAACCCAAAACCTTGGGAAGCAAAGCCTTACGAATGTTGATGCTGCAGCTAACT  
GATGGAATCGTACAAATACAGGGAATGGAATATCAGCCTATTCCAATTCTTCATAGTGATCTTCCCTCAG  
GTACAAAATTTGATTTATGGAATATATCTTCCGCTTGGTGTCTCTTATTGAAACCAGAAAACGT  
GAAAGTGTAGGAGGTGAAGTAGATGCTCTTTAGAAGAATATGCCCAAGAAAAGTACTTGCAAGATTA  
ATAGGGGAACCTGATCTGTAGTTTCAGTCATACCAACAATTCTAACGAAAACATCCCAGAGTTACAG  
ATGTTCTAGATCCTGCATTAGGTCCTTCTGATGAAGAAGTCTTGGCAAGTCTTGATGAAAATGATGAGCT  
TACAGCAAATAATGACACTTCTCAGAAGATGTTCCACCACAGGTAGTTCCTCAATACCATTCCCACA  
AGACAGTCAAGTTTGGCCAGAATTTGTTATTTCTCCAAGACCAAAGGAACCATCAAACCTATCTA  
TACATGTAATGGATGGAGAATTAGATGACTTTTCACTGGAGGAGCCTTGCTTTTAGAAGAACTGTCCA  
GAAAGAACAGATGAAAACTAAGGAATTGCAACCATTGACTTTTAAACAGAAATGCCGATCGAAGTATAGAG  
AGATTTTACATAATCCTAATACTACGAATAAATTTCTTTGACTTGCAAAAATGGAAAACAATAATTGGA  
GTGAAAAAATGTATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208030 representing NM\_024945  
 Red=Cloning site Green=Tags(s)

MNVTSIALRAETWLLAAWHVKVPPMWLEACINWIQEENNNVNL SQAQMNKQVFEQWLLTDLRDLEHPLLP  
 DGILEIPKGEINGFYALQINSLVDVSPAYSQIQKLRGKNTTNDLVTAEAQVTPKPWEAKPSRMLMLQLT  
 DGIVQIQGMEYQPIPIILHSDLPPGKIL IYGNISFRLGVLLLPENVKVLGGEVDALLEEYAQEKVLARL  
 IGEPDLVVSVIPNNSNENIPRVTDVLDPALGPSDEELLASLDENDEL TANNDTSSERCFTTGSSSNTIPT  
 RQSSFEPFVISP RPKEEPSNLSIHVMDGELDDFSLLEEALLLEETVQKEQMETKELQPLTFNRNADR SIE  
 RF SHNPNTTNNFSLTCKNGNNWSEKKCI

TRTRPLE - GFP Tag - V

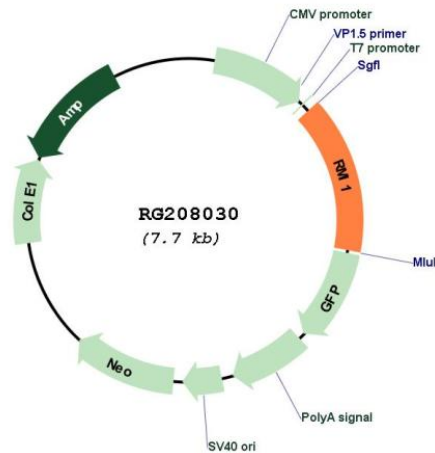
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_024945

<b>ORF Size:</b>	1875 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_024945.1</a> , <a href="#">NP_079221.1</a>
<b>RefSeq Size:</b>	3413 bp
<b>RefSeq ORF:</b>	1878 bp
<b>Locus ID:</b>	80010
<b>UniProt ID:</b>	<a href="#">Q9H9A7</a>
<b>Cytogenetics:</b>	9q21.32
<b>Gene Summary:</b>	RMI1 is a component of protein complexes that limit DNA crossover formation via the dissolution of double Holliday junctions (Raynard et al., 2006 [PubMed 16595695]).[supplied by OMIM, Mar 2008]