

## Product datasheet for **SC111381**

### **BLAP75 (RMI1) (NM\_024945) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BLAP75 (RMI1) (NM_024945) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLAP75
Synonyms:	BLAP75; C9orf76; FAAP75
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC111381 sequence for NM\_024945 edited (data generated by NextGen Sequencing)

```
ATGAATGTGACTAGTATTGCATTAAGAGCTGAACTTGGCTTTTAGCTGCATGGCATGTT
AAAGTACCTCCGATGTGGCTGGAAGCTTGTATTAAGTGGATTCAAGAAGAAAATAATAAT
GTTAACTTGAGTCAGGCCAAATGAATAACAAGTGTGGAGCAGTGGCTCCTTACTGAT
CTGAGGGATTTGGAGCATCCTCTTTACCCGATGGCATTTTAGAAATCCAAAAGGAGAA
TTAAATGGATTTTATGCTCTGCAGATTAATTCCTTGGTTGATGTAAGTCAGCCTGCATAC
TCCCAGATACAGAAGTTGAGAGGAAAGAATACAACAAATGATCTAGTTACAGCTGAAGCA
CAAGTAACCCCAAACCTTGGGAAGCAAAGCCTTACGAATGTTGATGCTGCAGCTAACT
GATGGAATCGTACAAATACAGGGAATGGAATATCAGCCTATTCCAATTCTTCATAGTGAT
CTTCTCCAGGTACAAAATTTTGATTTATGGAATATATCTTTCCGCTTGGTGTCTC
TTATTGAAACCAGAAAACGTGAAAGTGTAGGAGGTGAAGTAGATGCTCTTTAGAAAGAA
TATGCCAAAGAAAAGTACTTGAAGATTAATAGGGGAACCTGATCTTGTAGTTTCAGTC
ATACCAACAATCTAACGAAAACATTCCAGAGTTACAGATGTTCTAGATCCTGCATTA
GGTCTTCTGATGAAGAACTCTTGGCAAGTCTTGTGAAAATGATGAGCTTACAGCAAAT
AATGACACTTCTCAGAACGATGTTTACCACAGGTAGTTCTCAATACCATTCCACACA
AGACAGTCAAGTTTTGAGCCAGAATTTGTTATTTCTCAAGACAAAAGAGGAACCATCA
AACCTATCTATACATGTAATGGATGGAGAATTAGATGACTTTTCACTGGAGGAGGCTTG
CTTTTAGAAGAACTGTCCAGAAAGAACAGATGGAACCTAAGGAATTGCAACCATTGACT
TTAACAGAAATGCCGATCGAAGTATAGAGAGATTTTACATAATCCTAATACTACGAAT
AACTTTTCTTTGACTTGCAAAATGGAACAATAATTGGAGTGAAAAAATGTATCTGAA
CAAATGACTAATGAAGACAAATCATTGGTTGTCCATCTGTTAGAGACCAAAACAGGAGT
ATTTTTTCAGTTCATTGTAATGTACCCTTAGCCCATGATTTTACAATAAAGAAAAGAAC
TTAGAGACAGATAATAAAATAAAACAAACCAGCAGTTCAGATAGCCATTCTTAAATAAT
AAAATATTAATAGAGAGGTGGTCAACTATGTACAGAAAAGGAGTTCACAAATTTCTAAT
GAAAATGATTGTAATTTACAGAGTTGTTCTTTAAGATCATCAGAGAATAGCATTAACTT
TCTATTGCCATGGATTTGATTCTCCACCCTTTGTCTATTTGTCTGTTCTAATGGCCAGC
AAACCAAGGAAGTTACAACAGTGAAAGTGAAGCATTATTGTAACCTTAACTGGAAT
CTCTCAAGTCTGGTGGTATTTGGAGTAACTGCAAAGGTGCTGATGGTACTGCATAT
CTAGATGTAGACTTTGTGGATGAAATACTTACTAGCTTGATAGGGTTCTCAGTACCAGAA
ATGAAACAGTCAAAAAGGATCCTCTTCAATACCAAAAAGTTCTGGAAGGGTTGCAGAAA
TGTCAAAGAGATCTAATAGATTTGTGCTGTCTAATGACTATTTCAATTAATCCTTCTTG
TCTAAAGCAATGGTACTGGCATTACAAGATGTTAATATGGAACACCTTGAGAATCTAAAG
AAGCGTTAAATAATAA
```

Clone variation with respect to NM\_024945.2

1364 a=>g

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_024945 unedited
AGCATTTTGTAAATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACGAGGCCGATGTTG
CGCGAGGAAAAATGCGGGACGCCAGGTCGGTGTCTCGGCCAGACTTATGCCCGTGTTTTC
ACAGCCCACACTCGTGCCGAAGCCCCTTACCCCGCCCCGGGCTGTGGTCTGTGGGCTGT
GGGACGAGCTGCGGCGCGGGCCATTTCTGAGCAGTGGAGGTTTCAAGTAATCCACTAACA
ACCAGTTCCAAATCTGTCATCAATCCTGTGCTGCTGTTCCCTCGTGGTAATAGATGCAT
ATTATTTCTTTTATTTAAAAGAAATGAATGTGACTAGTATTGCATTAAGAGCTGAACTT
GGCTTTTAGCTGCATGGCATGTTAAAGTACCTCCGATGTGGCTGGAAGCTTGATTAAC
GGATTCAGAAGAAAATAATAATGTTAACTTGAGTCAGGCCCAAATGAATAAACAAGTGT
TTGAGCAGTGGCTCCTTACTGATCTGAGGGATTTGGAGCATCCTTTTTACCCGATGGCA
TTTTAGAAATCCAAAAGGAGAATTAATGGATTTTATGCTCTGCAGATTAATTCCTTGG
TTGATGTAAGTCAGCCTGCATACTCCAGATACAGAAGTTGAGAGGAAAGAATACAACAA
ATGATCTAGTTACAGCTGAAGCACAAAGTAACCCAAAACCTTGGGAAGCAAAGCCTTAC
GAATGTTGATGCTGCAGTAACCTGATGGAATCGTACAAAACAGGGAATGGAATATCAGC
CTATTCGAATTTTCATAGTGTCTTCCNNCAGTACAAAAATTTTGATTATGGAATATA
TCTTTCCGCTTTGGTGTCTCTTATTGAACCAGCAAACGTNGAAGTGTANGAAGTGAAG
TAAATGCTCTTTTAAAGATATGCCCAAGAAAAGTACTTCGAGAATATAGGGGAAGTAT
CTTG
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_024945 unedited
CCTTTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTATTTAAGGATTTGTTAATGTTTT
AAAATTCAAAGCACTTTAAATTATTTTAAAGACAAAAGATTAATAAAAACAACATTACCTT
TCAAATACAACTTTATAACAGCACAGTGAAGAATGGTAAACAGTCCCTCTTTTTTTTAA
AAAAAATCAGTACTTAAACCAAGGAAGGCTTATATGTACAGTAATTCAGAAAGGGA
ACAATGACACCTAAAGACATAGATAAATGCTTCATTTTAAATCAAATAAATGTCCTACCTA
CTGGATCTTAATAATGATGTTTTCAATATGCCATTTAAAATAAATATCCTTGAAAATAA
AGCTTTAAATCATTCAATATAATCTATGAAATAGCATCTAGTTAACTAGATTACCTTAA
TATACCAAATATTATAATCAGCAAAATAAAAACCAGCAAATCAATTTGTATCTGAAAGCC
TGATGTTCTGATCTACTGGATTCTAATTTTTTTTCCCTAAGATTAACAATATAAACAAT
CTTTTGGGTACTCAACATATTATGACAAGCTCAAGCATGTTCAAGGTGGTATGGCCATAG
ACAGCACCAACATATTAGAAGGAAATTACCTATTTATAATTATTAACCTCATAAATATGA
CTCACCACCGAACCCATACAATATTTTGAATCATCCTATGTGACGTGACAAGTGGGA
AAACAATTTCTACAATAGGGGGTACCATATCCTCCATCTACAAGTATTTTTAAAAATTA
ACCTTGGAGCCCTGACGCAGGATGAGAAGCCAGAGTTGGACCATCTGGCAACTAGCAAAC
CTGCCCTCAACATAAAGGATATAATAACTGGCATGGGTCACGCCATGTCCAGCACCAGAG
CTAGCAGAGACGCTGGCCAAAGTGAAGCAACCTAAATGCCGCCCTACCGCAAAGAATCCT
GATTAATAAAAAAAAAACTN
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_024945

**Insert Size:**

3410 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>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]