

## Product datasheet for **SC105351**

### **RANBP9 (AB055311) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RANBP9 (AB055311) Human Untagged Clone
Tag:	Tag Free
Symbol:	RANBP9
Synonyms:	BPM-L; BPM90; RanBP7; RANBPM
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AB055311, the custom clone sequence may differ by one or more nucleotides

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ATGTCCGGGCAGCCGCCGCCGCCGCCGCCGAGCAGCAGCAACAGCAGCAGCAGCTGTCCGCCACCAGC  
CGGCGGCCTTGGCCCCAGTCTCCGGAGTCGTCTGCGGGCGCCCCGGCCGTGAGCGCCGGCTCTTCTCC  
GGCCGGCTCGCCCGCGCGGTGCGGGCGGCGAAGGCTTAGGGGCGCGCGGCCGCCCTGCTCCTCCAC  
CCTCCGCCGCGCGCCCCGGCCACCGCGGCCCGCGGCCCGCCGCCGCCGCCGCCCTCCCTGCCT  
CAGCGGCTGCCCGGCCAGCGGGCGGCCGCTCCCCGGGCTTGACAGCGGGCCCCGGCCGGCTGGAGG  
GGCCCCGACCCAGCTCTGGTGGCGGGCAGCAGCGCCGCGGCCCTTCCCTCACGGGACTCGGCCCTG  
AACGAGCAGGAGAAGGAGTTGCAGCGGGCGGTGAAGCGTCTTACCCGGCCGTGGACGAACAAGAGACGC  
CGCTGCCTCGGTCTGGAGCCCCAAGGACAAGTTCAGCTACATCGGCTCTCTCAGAACAACCTGCGGGT  
GCACTACAAGGTCATGGCAAACCCAAAAGATGCCCGTCAGTTCGAGCCACGCATCCAATACCAGCA  
GCCTGTGGGATTTATTATTTGAAGTAAAAATTGTCAGTAAGGGAAGAGATGGTTACATGGGAATTGGTC  
TTTCTGCTCAAGGTGTGAACATGAATAGACTACCAGTTGGGATAAGCATTTCATATGGTTACCATGGGA  
TGATGGACATTCGTTTTGTTCTTCTGAACTGGACAACCTTATGGACCACTTTCACTACTGGTGTATGTC  
ATTGGCTGTTGTGTTAATCTTATCAACAATACCTGCTTTTACACCAAGAATGGACATAGTTTAGGTATTG  
CTTTCACTGACCTACCGCAAATTTGTATCCTACTGTGGGGCTTCAAACACCAGGAGAAGTGGTCGATGC  
CAATTTTGGGCAACATCCTTTCTGTGTTGATATAGAAGACTATATGCGGGAGTGGAGAACCAAAATCCAG  
GCACAGATAGATCGATTTCTATCGGAGATCGAGAAGGAGAATGGCAGACCATGATACAAAAAATGGTTT  
CATCTTATTTAGTCCACCATGGTACTGTGCCACAGCAGAGGCCCTTGGCAGATCTACAGACCAGACCGT  
TCTAGAAGAATTAGCTTCCATTAAGAATAGACAAAGAATTCAGAAATTGGTATTAGCAGGAAGAATGGGA  
GAAGCCATTGAAACAACACAACAGTTATACCCAAGTTTACTTGAAGAAATCCTAATCTCCTTTTACAT  
TAAAAGTGCCTCAGTTTATAGAAATGGTGAATGGTACAGATAGTGAAGTACGATGTTTGGGAGGCCGAAG  
TCCAAAGTCTCAAGACAGTTATCCTGTTAGTCCTCGACCTTTTAGTAGTCCAAGTATGAGCCCCAGCCAT  
GGAATGAATATCCACAATTTAGCATCAGGCAAAGGAAGCACCGCACATTTTTTTCAGTTTTTGAAGTTGTA  
GTAATGGTGAATATCAAATAAAGCACATCAATCATATTGCCATAGTAATAAACACCAGTCATCCAAT  
GAATGTACCAGAACTAACAGTATAAATATGTCAAGATCACAGCAAGTTAATAAATTCACCAGTAATGAT  
GTAGACATGGAACAGATCACTACTCCAATGGAGTTGGAGAACTTCATCCAATGGTTTCTAAATGGTA  
GCTCTAAACATGACCACGAAATGGAAGATTGTGACACCGAAATGGAAGTTGATTCAGTCAGTTGAGACG  
CCAGTTGTGTGGAGGAAGTCAGGCCCCATAGAAAGAATGATCCACTTTGGACGAGAGCTGCAAGCAATG  
AGTGAACAGCTAAGGAGAGACTGTGGCAAGAACACTGCAAACAAAAAATGTTGAAGGATGCATTAGTC  
TACTAGCATATTCAGATCCCTGGAACAGCCAGTTGGAATCAGCTTGACCCGATTTCAGAGAGAACCCTGT  
GTGCTCAGCTCTTAACAGTGCAATATTAGAAACCCACAATCTGCCAAAGCAACCTCCACTTGGCCTAGCA  
ATGGGACAGGCCACAAATGTCTAGGACTGATGGCTCGATCAGGAATTGGATCCTGCGCATTTGCCACAG  
TGAAGACTACCTACATTAG
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AB055311 unedited  
 TGTATACGACTCACTATAGGGCGGCCGCGATTCCGGCACGAGGCGCGTCTCCGAGCTCCTC  
 AACCGCCGCGGTCTCCCTGGGCGCGCGGCCCGCCGCTTCCGGGGCGGGCGGACTGG  
 GCGCCTGGTGCCGGCGGCCGACGACAGCGCCCCGGGAAGCAGAGGAGGAAGGAGAGA  
 AGAGGTGGAGGTGGCCGACGGCTGAGTCGCGGCCGGATGTCCGGGCAGCCGCCCGCC  
 GCCGCCGACGACGACAAACAGCAGCAGCTGTCCGCCACCGCCGGCGCCCTTGGC  
 CCCAGTCTCCGGAGTCGTCTGCCGGCGCCCCGGCCGTCAGCGCCGGCTCTTCTCCGGC  
 CGGCTCGCCCGCGCGGTGCGGGCGGCAATGCTTAGGGGCCGCGGCGNCGNCCTGCT  
 CCTTCCCCCTCCGNCGCCTGCTNCTCCTNTTGTTCCTTCTGTTTTCTGTCCCTTCT  
 TTCTGTTCCCCCCTTTTTTCTCCTGTTGCGCTCTCGTTTGGTTTCCGGTTTTGCTTC  
 TTTTGTTCCTTTTTCTGTTTTTCTCCCTTCTTNTTTTTCTTCGCTTGGTTTTCT  
 CCCTTCTCCCCTTGTCTTTTGTCTCCTCCCCTTGCCCTTCTCCTCCTCCCCTTTTT  
 TTTCTCCTGTCTCCTCCTTTTGTTCCTTCTCCTTTTTTCCCCTCTTTTCCCTCCC  
 CCCCTTTTTCTCCCCTGTCTTTCGCTTCTTCTGTTTCTCCGCTCTCGTCTCTTTCC  
 TTCGGTTTTTCTTTTTGTTCGCTTCTTCTTCTTCTTCTGCTTTTTTTTCTCCTT  
 TCCTTTTTTTTTTTTTTCTCCTTCGTGCTGTTCTCCTCCTCCTCTTCTTCTTCT  
 TCTTCTTCTTCTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AB055311 unedited  
 CCGTGGGTTTTTAAAGCCTGGCTTAATTATATNCACTACATTTCCATTGCAATATAGTA  
 CTCATTTAATCACTTAAAAATGGAAGGTGTACAAAGATTAATTAAGACACGGTAAATTG  
 ACTAAATATTTGGTTTTATATAAATAAAGGTCATAACCACCGTTGACATGTAATACT  
 GTTATAATACAACAGTTAAACTTGTGAGTCTAACAGAAGTCATCTGTAGTTAAACAGG  
 AAACAAAGTTGAAAAAGACCATGTTAAACAAAACACTAGGGACTAACAGGTCGGGATTG  
 TAAGTAGCAACAAACATATTTCACTCAGCTCCTGAGTATTTCAAGTTTTACAGTACACATT  
 AAAAATGATTTCTCCATCAACACTATAAATCAAACGTCCGGATGTTTATGCATTTTG  
 CAAGTTACTGATTGAATGCTTATATGGGAGTGGGGTCCGGAACATCTCCAATTTGAA  
 GTTTACATCACCCACATGCTAACACAAACAACACTTGTCCATTTCTTCCCCTCTCTCC  
 CCCCTCCCCACAAAGAATGCAGGATTTTGGTTTCTTTAAGTAATTGTTTTAAAGGAT  
 TTGTGATGATCAATTTGAACGTCTGAAATTCAGTAATATTTAACTTTAGACAACATAAGA  
 GGTAAGATGGAAAAATATTTCTCTAACACTAAGTTAGAAAAATCATTGTCATCATGCC  
 TGTAACAGGAAGCAATGTAAGCGACAATACTGTGCCAGTACATAATTTAAAAAAT  
 CTAATTTCAAATCAGCAGAGCTGGTCTACTTCCATGTTGACTATATGCCACAATATTA  
 TGTGAGCTCTGAATGCATAACTAATGTAGGTAGTCTTCACTGGGGCAAATGCGCAAGG  
 ATCAATTCCTGATCGAGCAATTATCCTAGCACTGGGGTGGCCGGTCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

AB055311

**Insert Size:**

3000 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:** [AB055311.1](#), [BAB62525.1](#)

**RefSeq Size:** 2657 bp

**RefSeq ORF:** 2190 bp

**Locus ID:** 10048

**Cytogenetics:** 6p23

**Domains:** SPRY, LisH, CTLH

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a protein that binds RAN, a small GTP binding protein belonging to the RAS superfamily that is essential for the translocation of RNA and proteins through the nuclear pore complex. The protein encoded by this gene has also been shown to interact with several other proteins, including met proto-oncogene, homeodomain interacting protein kinase 2, androgen receptor, and cyclin-dependent kinase 11. [provided by RefSeq, Jul 2008]