

## Product datasheet for **RN213677**

### **Bora (NM\_001013997) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bora (NM_001013997) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bora
Synonyms:	RGD1309522
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213677 representing NM\_001013997  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGAGATGTCAGCGAATTAATAATGCAATAACACCAGCAACTCCAGGAAGGATCCCTGTTTTAAATC  
 CCTTTGAAAGTCCAGTGATTATTCTAATCTCCATGAACAAACCCTTGCTAGTCCTTCTGTCTTTAAGTC  
 CACAAAATACCAACTCCAGGGGAATTTAGGTGGTCTATTGATCAGCTGGCTGTAATAAATCCTGTAGAA  
 ATAGACCCAGAGGAGATTCATCGTCAGGCTTCTACTTAAGTCTTTCTCGAATAGATAAAGATGTGGAAG  
 ACAAAAAGACAAAAGGCCATTGAAGAGTTTTTACTAAAGATGTCATTGTGCCCTCGCCCTGGACCGATCA  
 TGATGGAAAACAGCCTTCCGAGCTTCATCCAGTAAATGCCTAACTAGCAATGGTACTCTCCTGTTGGG  
 AAAAAGCCGAGTCTCCCTTCTCAGAAATGCAATGCTGCCTGCCAGACTCTGTTGTCTCTTCTGTGGATT  
 TTAATTTGGAAGCCGTATTAGGAGACTACTTTAGAGCGGATGACTCTGTGGACCAATCTCCCGGAACT  
 CAGTTCTTCGTCTCTCAGGAGAAAGCTCTTTTAGACGTGAATGGGAGCATCTCCGACTCCTTACCTTCA  
 GCTTCTCCAGAAAGTCTCCCAACAGTGCCCGAGGATCTCTTGAGGGACAGTTTTCTTCCAGCCCATTC  
 AGAACAATGCAAAAAAGTACAGTTTGGGAAGCTTAACCACCAGCCATCGGCTATCTGTTACCTACGTT  
 CTCACCAATTGCACCTTCAAGTAGGAAAGACACCACTGTCAGAGCACAGGAAGTTTACATTTATTCTCCT  
 GAAGCTTCTCTGGAGGAAGTTCTACTGGGATTGCTAATCCAAGCATCAGGAGTCCATATATAGATGGCT  
 GCTCACC AATTAATAATTTGGTCTCCTCGGGACTCAGAGGTGGTCTCAGTATTTGTCGTCACCTGATTTCG  
 GGTACCTTTTGTCTTGAGACTCACAGTGAAGATGAAGAAGACAACGTTTCTCCACAGATGTGGCTGCA  
 CTGGGCACAAATGCTGTGGCAGCCCCCTTCAGCAGTTGGACTGTGAGCCTTTGGCTTGTGGCGACCCTT  
 TCGTTGTCAGTGCCATGCCTGTCACTCAGAGTCACTAGTACCTGTGAGAAAGACCTAGGCGTGGGG  
 GGACTTTGAAAGTGAAAGGGACCATGACACCGTGGATATGGTCGATCCGATAGACACAGCGGATGAAAGC  
 ACGTGGATAAAAAGAGCCCGTGGTAATGGGAATTCACCCATGGCTGAGTTTGTGAGTGGAATTGCCTTCA  
 GCATTGAGAACTCCACATGTGCATGTACCTCTTGCAGAGAGCAGTGTCTGCCCTGTGAAAGCAGTAA  
 TGTCCAGATGGACAGTGGCTATAACACACAGACTTGTGGAAGTAATCACTGATATTGTTGGGACAGAA  
 AGCTACTGCAAAGAAAATGTCACACAGTCTTTGAAGCACAAATGAAACCTCAAGTTAATAACATAAAGC  
 AAGATCACACTGTGCAGAGGTGTGGATGAAAACATAAGTCCATCTCAGTGCAGCAGCCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001013997

**Insert Size:** 1605 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:** [NM\\_001013997.1](#), [NP\\_001014019.1](#)

**RefSeq Size:** 2109 bp

**RefSeq ORF:** 1605 bp

**Locus ID:** 306102

**UniProt ID:** [Q5M864](#)

**Cytogenetics:** 15q21

**Gene Summary:** Required for the activation of AURKA at the onset of mitosis.[UniProtKB/Swiss-Prot Function]