

Product datasheet for **SC337055**

BORA (NM_001286746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BORA (NM_001286746) Human Untagged Clone
Tag:	Tag Free
Symbol:	BORA
Synonyms:	C13orf34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

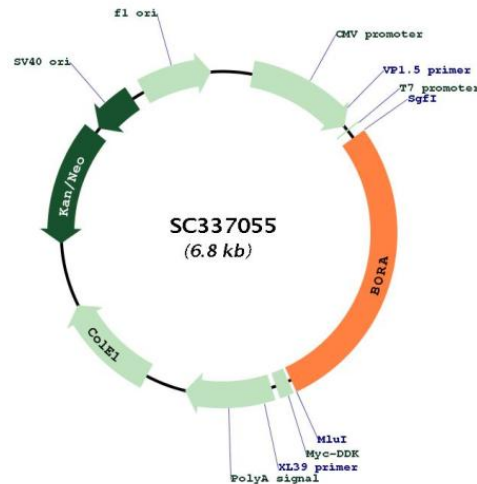


[View online »](#)

Fully Sequenced ORF: >SC337055 representing NM_001286746.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAGGTTTCTTTCCAGCTCCTGACTTGCCTGCCCGCTCGCCCTGGTGAATGGGAGCAGTCAG
GGAGTAGGTGTGGAAGAGAGGGGCACCAGAAAGAGTGGCCACGTAGGGTTGGGGCGACGCCTCCTTCG
CACTCCATCCAGGAAGCCGGCTGCATCTCAACCTTCCAGAAGTAGACTCTTTCCACCCACCCCGCC
AAGTTTTCTCTGTGCTATGGGAGATGTCAAGGAATCAAAGATGCAAATAACACCAGAACTCCAGGA
AGGATCCCTGTTTTAAATCCTTTTGAAGTCTAGTGATTATTCTAATCTCCATGAACAACTCTCGCC
AGTCTTCTGTTTTAAATCAACAAAATTACCACTCCAGGAAATTTAGATGGTCTATTGATCAACTA
GCTGTAATAAATCCTGTAGAAATAGACCCAGAAGATATTCATCGTCAAGCTTTATACTTAAGTCATTCT
CGAATAGATAAAGATGTGGAAGACAAAAGACAAAAGCCATTGAAGAGTTTTTCACTAAAGATGTCATC
GTACCCTCTCCTGGACTGATCATGAAGGAAACAGCTTTCACAATGTCATTCCAGTAAATGCCTAAC
ATAAATAGTGACTCTCCAGTTGGAAAAAGCTGACCATTATTCTGAGAAAAGCGATGCTGCTTGTGAG
ACATTGCTGTCTTCTGTTGATTTTAAATTTAGAAAATATATTAGGTGACTATTTTAGAGCTGATGAA
TTTGCAGATCAATCTCCTGGAAACCTCAGTTCTTCATCCCTCAGAAGAAAGCTGTTTTTAGATGGGAA
GGAAGCATCTCCGACTCCTTACCTTCGGCTTCTCCCGAAGTCTCACAGTGGTGTCAAACATCACTA
GAGATGTTTTATTCAATAGATTTGTCTCCTGTAAGTGTAGGAGCCCTTGCAGACCAAGTTCGGGG
CAGTTTTCTTCTAGCCCTATTACGGCTAGTGCAAAAAATACAGCTTGGGAAGCATAACTAGTCCTTCG
CCTATTTCTTACCCACTTCTCACCAATTGAATTTAGATAGGAGAGACTCCACTCTCAGAACAAAGG
AAGTTTACTGTTTCTCCTGATGCTTCATCTGGAACAAATCTAATGGGATAACTAATCCGTGTATC
AGAAGTCTTATATAGATGGCTGCTCGCAATTAATAATTTGGTCTCCTATGAGACTTCAGATGTATAGT
GGTGGTACTCAGTATCGACCTCAGTGATTCAGATACCTTTTACTCTTGAGACTCAAGGTGAAGATGAG
GAAGATAAAGAGAATATTCTTCCACAGATGTCTCATCACCAGCCATGGATGCTGCTGGAATACACCTA
CGGCAGTTTAGTAATGAGGCTTCTACCCATGGTACACATTTGGTTGTGACTGCCATGTCTGTTACACAA
AATCAGTCCAGTCTTCTGAGAAAGAAATAGCACTGTTGCAGGATGTTGAAAGGGAGAAAGACAATAAC
ACTGTGGATATGGTTGATCCTATAGAGATAGCAGATGAGACCACTGGATTAAGGAGCCGGTTGATAAT
GGCAGTTTACCCATGACTGATTTTGAAGTGGCATTGCCTTCAGTATTGAAAACCTCATATGTGCATG
TCACCTCTTGCTGAAAGCAGTGTATTCTTGTGAAAGCAGTAACATTGAGATGGATAGTGGCTATAAT
ACGCAGAATTGTGGAAGCAATATTATGGATACAGTTGGGGCAGAAAGTTACTGCAAGAAAGTGATGCA
CAAACATGTGAAGTTGAGAGTAAATCTCAAGCATTAAATATGAAGCAAGACCACACAACACAGAGGTGT
TGGATGAAAACAGCAAGCCCTTTTCAATGCAGCAGTCCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001286746

Insert Size: 1905 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_001286746.1](#)

RefSeq Size: 3052 bp

RefSeq ORF: 1905 bp

Locus ID: 79866

UniProt ID: [Q6PGQ7](#)

Cytogenetics: 13q21.33

Protein Families: Druggable Genome

MW: 69.1 kDa

Gene Summary:

BORA is an activator of the protein kinase Aurora A (AURKA; MIM 603072), which is required for centrosome maturation, spindle assembly, and asymmetric protein localization during mitosis (Hutterer et al., 2006 [PubMed 16890155]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1.