

Product datasheet for **SC111985**

BORA (NM_024808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BORA (NM_024808) Human Untagged Clone
Tag:	Tag Free
Symbol:	BORA
Synonyms:	C13orf34
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_024808 edited
GAATTCGGCACGAGGGTCGTGGAAGCTGGCCTGGCCCCGGAGCTCCCTGGAGTCGGTAC
TGGGGGCTTCGTTTTGTACGCACCGTTTTCTCTCTGTGCTATGGGAGATGTCAAGGAATC
AAAGATGCAAATAACACCAGAACTCCAGGAAGGATCCCTGTTTTAAATCCTTTTGAAAG
TCCTAGTGATTATTCTAATCTCCATGAACAACTCTCGCCAGTCTTCTGTTTTAAATC
AACAAAATTACCAATAGATAAAGATGTGGAAGACAAAAGACAAAAGCCATTGAAGAGT
TTTTCACTAAAGATGTCATCGTACCCTCTCCTTGGACTGATCATGAAGGGAAACAGCTTT
CACAAATGTCATTCCAGTAAATGCATAACATAAAATAGTGACTCTCCAGTTGGAAAAAAGC
TGACCATTCAATTCTGAGAAAAGCGATGCTGCTTGTCTAGACATTGCTGTCTCTTCTGTGG
ATTTTAATTTAGAAAATATATTAGGTGACTATTTTAGAGCTGATGAATTTGCAGATCAAT
CTCCTGGAACCTCAGTCTTCCATCCCTCAGAAGAAAGCTGTTTTTAGATGGAAACGGAA
GCATCTCCGACTCCTTACCTTCGGCTTCTCCCGAAGTCTCACAGTGGTGTCAAACAT
CACTAGAGATGTTTTATTCAATAGATTTGTCTCCTGTAAAGTGTAGGAGCCCTTGCGA
CACCAAGTTCGGGCAGTTTTCTTAGCCCTATTCAGGCTAGTGCAAAAATACAGCTTG
GGAAGCATAACTAGTCCCTCGCCTATTTCTTACCCTTTCTCACCAATTGAATTTGAG
ATAGGAGAGACTCCAATCTCAGAACAAAGGAAGTTACTGTTTCTTCTCCTGATGCTTCA
TCTGGAACAAATTCTAATGGGATAACTAATCCGTGTATCAGAAGTCCCTATATAGATGGC
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GATAAAGAGAATATTCCTTCCACAGATGTCTCATCACCCGCCATGGATGCTGCTGGAATA
CACCTACGGCAGTTTAGTAATGAGGCTTCTACCCATGGTACACATTTGGTGTGACTGCC
ATGTCTGTTACACAAAATCAGTCCAGTGCTTCTGAGAAAGAATTAGCACTGTTGCAGGAT
GTTGAAAGGGAGAAAGACAATAACACTGTGGATATGGTTGATCCTATAGAGATAGCAGAT
GAGACCCTTGGATTAAGGAGCCGGTTGATAATGGCAGTTTACCCATGACTGATTTTGTG
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AGTGTCTTCTTGTGAAAGCAGTAACATTGAGATGGATAGTGGCTATAATACGCAGAAT
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CAAACATGTGAAGTTGAGAGTAAATCTCAAGCATTTAATATGAAGCAAGACCACACAACA
CAGAGGTGTTGGATGAAAACAGCAAGCCCTTTTCAATGCAGCAGTCCATAGAATGCCTCT
GTCAGAATCAAAGACTAAGCTTAAGAGTTCCTCGCATATATCGTTGTGCACAGGATCAAC
ATGATGGTACTGGGAAAAAATTAATCAAGTAACATGCTTAGCTTCCCTCCTTAAXXXX
XXXXXXXXXXXXCCAGTGATAACTGTTCTAGTTACTACTTTTAAAGTATGTAAATACTAG
AAAGGTAGTACTAGTGACATCATCACGTGATTGTTATCTATGGGGCAAATGTGTGGTGC
CCAGAATAAAATATACCTCATGCCTAGGGTAGGGACATCCTTTCCAGCTCAAACGTGGGT
AGGGATGTGGGAGAAAGAATGTGGGAGAACCAAGAGAAAAAGTGGGGCTGGGAGAGTG
GAGTTCCTCGTAGGGCATAGGCCTGTGAAGTAACACTGGGGCAGATATGTATGTTATATAC
AACTATTTTTTAAAAAATTAATCCATGTTGGGAGTAGATGGGTATATAACAGTTTGG
AAATACTATCTTTGGAGAATGTATTTTGTATTTATAAAATCAACTTTTAAAAACTGTCTC
ATTCAAAAGGGAATAAAGACCTGTGTTATCAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024808 unedited
 GGGTCAGGATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGGTCGTGGA
 AGCTGGCCTGGCCCCGGAGCTCCCTGGAGTCGGTACTGGGGCTTCGTTTTGTACGCAC
 CGTTTTCTCTGTGCTATGGGAGATGTCAAGGAATCAAAGATGCAAATAACACCAGAAA
 CTCCAGGAAGGATCCCTGTTTTAAATCCTTTTAAAAGTCTAGTGATTATTCTAATCTCC
 ATGAACAAACTCTGCCAGTCTTCTGTTTTAAATCAACAAAATTACCAATAGATAAA
 GATGTGGAAGACAAAAGACAAAAGCCATTGAAGAGTTTTTCACTAAAGATGTCATCGTA
 CCTCTCCTTGGACTGATCATGAAGGAAACAGCTTTCACAATGTCATTCCAGTAAATGC
 ACTAACATAAATAGTGACTCTCCAGTTGGAAAAAGCTGACCATTCACTTGAGAAAAGC
 GATGCTGCTTGTGACACATTGCTGTCTTCTGTGGATTTAATTTAGAAAATATATTA
 GGTGACTATTTAGAGCTGATGAATTTGCAGATCAATCTCCTGGAAACCTCAGTCTTCA
 TCCCTCAGAAGAAAGCTGTTTTAGATGGGAACGGAAGCATCTCCGACTCCTTACCTTCG
 GCTTCTCCCGAAGTCTCACAGTGGTGTCAAACATCACTAGAGATGTTTTATTCAATA
 GATNTGTCTCCTGNTAAGTGTANGAGCCCCTTGCAGACACCAAGTTCGGGGCAGTTTTCT
 TTCTAGCCCTATTCAGGCTAGTGCAAAAATACAGCTTTGGGAAGCATAACTAGTCTTCG
 CCTATTTCTACCCACTTCTCACCAATTGAATTCAGATAGGAGAGACTCCACTCTCAG
 AACAAAGGAAGTTACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024808 unedited
 CTCTGGCCGCGGCCGAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTGGATAACACAGGG
 TCTCTTATCTCCCTTCTTTGAATGAGAACAGTTTCTTAAAAGTTGATTTATAAATACAAA
 AATACATTCTCCAAAGATAGTATTTCCAACTGTTATATACCCATCTACTCCCAACATGG
 ATATAAGTTTTTAAAAAATAGTTGTATATAACATACATATCTGCCCCAGTGTACTTC
 ACAGGCCTATGCCTACGGAACTCCACTCTCCAGCCCCACTTTTTCTTGGTTCTCC
 CACATTCTTATTCTCCACATCCCTACCCACGTTTGAGCTGGAAAGGATGTCCTACCT
 AGGCATGAGGTATATTTATTCTGGGCACCACACATTTGCCCCATAGATAACAATACAG
 TGATGATGCTACTAGTACTACCTTTCTAGTATTTACATACTTAAAAGTAGTAAGTAAAC
 AGTTATCACTGGAACAAAGAATTTCCCCACAGAGGTGAACAGACCAAGAAGTAAATTT
 CAGGAAACCTGTTAATTTCTTTGTATCTTTGAAAAGTAGTTTTATATCTAAGATTTCT
 TTCACATAGGTTATAATTCATCTGTATGTTCAAGCTTTTATGAAAAATATATAGTGCCT
 TCAGTTTTAACATAGTTTCACATGTTCTCAGAAGTCTAAATTCAGTGCTACCAGTAAGG
 CTTAATAAGTAGTTCATTGACCCTGTAAGATAGGAGCACTCAGCTCTGTACAAATTTGTT
 GNTAAACACATCACTCAATGTAAGTATAAAATATTTATCGATAAAAAATAAACTTTATAC
 TTCAGCACTGAAGTTCAGNAGCATTCTGTTGTTCTATGTCAGTAAGCCCTTGATTTT
 TACATCAGGNAGNAAAGCTAGCTGTTACTTGAAGTATTTTCCCATCACATCATGTTGA
 TCCTGTGCACACGATTATGCGAGAAGTCTTAGCTATTCTTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_024808

Insert Size:

2550 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:	<ol style="list-style-type: none">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_024808.2 , NP_079084.2
RefSeq Size:	2803 bp
RefSeq ORF:	1680 bp
Locus ID:	79866
UniProt ID:	Q6PGQ7
Cytogenetics:	13q21.33
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform (1).</p>