

Product datasheet for **RC203359**

BORA (NM_024808) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BORA (NM_024808) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BORA
Synonyms:	C13orf34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC203359 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGATGTCAAGGAATCAAAGATGCAAATAACACCAGAACTCCAGGAAGGATCCCTGTTTTAAATC
 CTTTTGAAAGTCCTAGTATTCTAATCTCCATGAACAACTCTGCCAGTCCTTCTGTTTTAAATC
 AACAAAATTACCAACTCCAGGAAATTTAGATGGTCTATTGATCAACTAGCTGTAATAAATCCTGTAGAA
 ATAGACCCAGAAGATATTCATCGTCAAGCTTTATACTTAAGTCATTCTCGAATAGATAAAGATGTGGAAG
 ACAAAGACAAAAAGCCATTGAAGAGTTTTCTACTAAAGATGTCATCGTACCCTCTCCTGGACTGATCA
 TGAAGGGAACAGCTTTACAATGTCATTCCAGTAAATGCACTAACATAAATAGTGACTCTCCAGTTGGA
 AAAAGCTGACCATTCTGAGAAAAGCGATGCTGCTGTGACAGATTGCTGTCTCTCTGTGGATT
 TTAATTTAGAAAATATATTAGGTGACTATTTAGAGCTGATGAATTTGCAGATCAATCTCCTGGAACT
 CAGTTCTTCATCCCTCAGAAGAAAGCTGTTTTAGATGGGAACGGAAGCATCTCCGACTCCTTACCTTCG
 GCTTCTCCCGAAGTCTCACAGTGGTGTCAAACATCACTAGAGATGTTTTATTCAATAGATTTGTCTC
 CTGTAAGTGTAGGAGCCCTTGCAGACACCAAGTTCGGGGCAGTTTTCTCTAGCCCTATTCAGGCTAG
 TGCAAAAAATACAGCTTGGGAAGCATAACTAGTCCTTCGCTATTTCTCACCCACTTTCTACCAATT
 GAATTTAGATAGGAGAGACTCCACTCTCAGAACAAGGAAGTTACTGTTCAATCTCCTGATGTTTCAT
 CTGGAACAAATCTAATGGGATAACTAATCCGTGTATCAGAAGTCCTTATATAGATGGCTGCTCGCAAT
 TAAAAATTGGTCTCTATGAGACTTCAGATGTATAGTGGTGGTACTCAGTATCGGACCTCAGTGATTAG
 ATACCTTTTACTCTTGAAGTCAAGGTGAAGTGAAGGAGATAAAGAGAATATTCCTTCCACAGATGTCT
 CATCACCCGCCATGGATGCTGCTGGAATACACCTACGGCAGTTTGTAGTAAAGAGCTTCTACCCATGGTAC
 ACATTTGGTGTGACTGCCATGTCTGTTACACAAAATCAGTCCAGTCTTCTGAGAAAGAATTAGCACTG
 TTGCAGGATGTTGAAAGGAGAAAAGACAATAAACTGTGGATATGGTTGATCCTATAGAGATAGCAGATG
 AGACCACTGGATTAAGGAGCCGTTGATAATGGCAGTTTACCCATGACTGATTTTGAAGTGGCATTGC
 CTTGAGTATTGAAAACCTCATATGTGCATGTCACCTCTTGTGAAAGCAGTGTCTCTGTGAAAGC
 AGTAACATTAGATGGATAGTGGCTATAATACGCAGAATTGTGGAAGCAATATTATGGATACAGTTGGG
 CAGAAAGTTACTGCAAAGAAAGTATGCACAAACATGTGAAGTTGAGAGTAAATCTAAGCATTTAATAT
 GAAGCAAGACCACACAACACAGAGGTGTGGATGAAAACAGCAAGCCCTTTTCAATGCAGCAGTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203359 protein sequence
 Red=Cloning site Green=Tags(s)

MGDVKESKMQITPETPGRIPVLNPFESPDYSNLHEQTLASPSVFKSTKLPTPGKFRWSIDQLAVINPVE
 IDPEDIHRQALYLSHSRIDKDVEDKRQKAIIEFFTKDVI VPSPWDHEGKQLSQCHSSKCTNINSDSPVG
 KKLTIHSEKSDAACQTL LSLPVDFNLENILGDYFRADEFADQSPGNLSSSLRRKFLDGNISIDSLPS
 ASPGSPHSGVQTSLEMFYSIDLSPVKCRSPLQTPSSGQFSSSPIQASAKKYSLSITSPSPISPTFSPI
 EFQIGETPLSEQRKFTVHSPDASSGTNSNGITNPCI RSPYIDGCSPIKNWSPMRLQMYSGGTQYRTSVIQ
 IPFTLETQGEDEEDKENIPSTDVSSPAMDAAGIHLRQFSNEASTHGTHLVVTAMSVTQNSASEKELAL
 LQDVEREKDNNVTDMVDP I EIADETTWIKEPVDNGSLPMTDFVSGIAFSIENSHMCMSP LAESSVIPCES
 SNIQMDSGYNTQNCGSNIMDTVGAESYCKESDAQTCEVESKSAFNMKQDHTTQRCWMKTASPFQCSPP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6672_e06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_024808

ORF Size: 1677 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024808.5](#)

RefSeq Size: 2954 bp

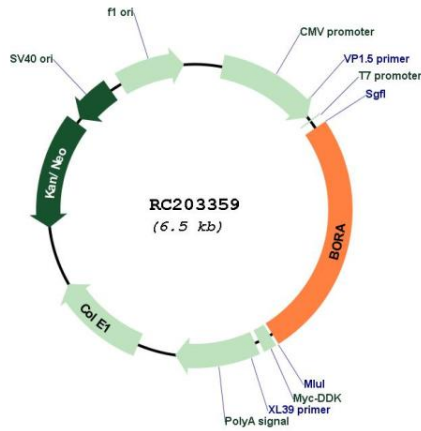
RefSeq ORF: 1680 bp

Locus ID: 79866

UniProt ID: [Q6PGQ7](#)

Cytogenetics: 13q21.33
Protein Families: Druggable Genome
MW: 61.2 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]

Product images:



Circular map for RC203359