

Product datasheet for **RC238520**

BORA (NM_001286747) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BORA (NM_001286747) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BORA
Synonyms:	C13orf34
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238520 representing NM_001286747
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACAAACTCTCGCCAGTCTCTGTTTTAAATCAACAAAATTACCAAATAGATAAAGATGTGGAAG
 AAAAAAGACAAAAAGCCATTGAAGAGTTTTCTACTAAAGATGTCATCGTACCCTCTCCTTGACTGATCA
 TGAAGGGAAACAGCTTTCACAATGTCATTCCAGTAAATGCACTAACATAAATAGTACTCTCCAGTTGGA
 AAAAAAGCTGACCATTCTGAGAAAAGCGATGCTGCTGTGACAGATTGCTGTCTCTCCTGTGGATT
 TTAATTTAGAAAATATATTAGGTGACTATTTAGAGCTGATGAATTTGCAGATCAATCTCCTGGAAACCT
 CAGTTCTCATCCCTCAGAAGAAAGCTGTTTTAGATGGGAACGGAAGCATCTCCGACTCCTTACCTTCG
 GCTTCTCCCGAAGTCTCACAGTGGTGTCAACATCACTAGAGATGTTTTATTCAATAGATTTGTCTC
 CTGTAAGTGTAGGAGCCCTTGCAGACACCAAGTTCCGGGCAGTTTTCTTAGCCCTATTGAGGCTAG
 TGCAAAAAATACAGCTTGGGAAGCATAACTAGTCTTCGCTATTTCTCACCCACTTTCTACCAATT
 GAATTTAGATAGGAGACTCCACTCTCAGAACAAGGAAGTTACTGTTCAATCTCCTGATGCTTCAT
 CTGGAACAAATCTAATGGGATAACTAATCCGTGTATCAGAAGTCTTATATAGATGGCTGCTCGCCAAT
 TAAAAATTGGTCTCCTATGAGACTTCAGATGTATAGTGGTGGTACTCAGTATCGGACCTCAGTGATTGAG
 ATACCTTTTACTCTTGAGACTCAAGGTGAAGATGAGGAAGATAAAGAGAAATTCCTTCCACAGATGCTC
 CATCACCCGCCATGGATGCTGCTGGAATACACCTACGGCAGTTTGTAAATGAGGCTTCTACCCATGGTAC
 ACATTTGGTTGTGACTGCCATGTCTGTTACACAAAATCAGTCCAGTGTCTCTGAGAAAGAATTAGCACTG
 TTGCAGGATGTTGAAAGGGAGAAAGACAATAACACTGTGGATATGTTGATCCTATAGAGATAGCAGATG
 AGACCATTGGATTAAGGAGCCGTTGATAATGGCAGTTTACCCATGACTGATTTGTAAGTGGCATTG
 CTTGAGTATTGAAAACCTCATATGTGCATGTCACCTCTTGTGAAAGCAGTGTCAATCCTTGTGAAAGC
 AGTAACATTGAGATGGATAGTGGCTATAATACGCAGAATTGTGGAAGCAATATTATGGATACAGTTGGG
 CAGAAAGTTACTGCAAAGAAAGTATGCACAAACATGTGAAGTTGAGAGTAAATCTCAAGCATTTAATAT
 GAAGCAAGACCACACAACACAGAGGTGTTGGATGAAAACAGCAAGCCCTTTTCAATGCAGCAGTCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238520 representing NM_001286747
 Red=Cloning site Green=Tags(s)

MNKLSPVLLFLNQNYQIDKDVEDKRQKAIEEFFTKDVI VSPWTDHEGKQLSQCHSSKCTNINSDSPVG
 KKLTIIHSEKSDAACQTL LSLPVDFNLENILGDYFRADEFADQSPGNLSSSSLRRKFLDGNISIDSLPS
 ASPGSPHSGVQTSLEMFYSIDLSPVKCRSPLQTPSSGQFSSSPIQASAKKYSLSITSPSPISPTFSPI
 EFQIGETPLSEQRKFTVHSPDASSGTNSNGITNPCIRSPYIDGCSP IKNWSPMRLQMYSGGTQYRTSVIQ
 IPFTLETQGEDEEDKENIPSTDVSSPAMDAAGIHLRQFSNEASTHGTHL VVTAMSVTQNSASEKELAL
 LQDVEREKDNNVTDMVDP I EIADETTWIKPEVDNGSLPMTDFVSGIAFSIENSHMCMSP LAESSVIPCES
 SNIQMDSGYNTQNCGSNIMDTVGAE SYCKESDAQTCEVESKSQAFNMKQDHTTQRCWMKTASPFQCSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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_001286747.1 , NP_001273676.1
RefSeq Size:	2847 bp
RefSeq ORF:	1470 bp
Locus ID:	79866
UniProt ID:	Q6PGQ7
Cytogenetics:	13q21.33
Protein Families:	Druggable Genome
MW:	53.9 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]