

Product datasheet for **MR217899**

Bora (NM_175265) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bora (NM_175265) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bora
Synonyms:	6720463M24Rik; AI317232
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR217899 representing NM_175265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGATGTCAGCAATTAATAATGCAATAACACCAGAACTCCAGGAAGGATCCCTGTTTTAAATC
 CCTTTGAAAGTCCAGTGATTATTCTAATCTCCATGAACAAACCTTGCTAGTCCTTCTATCTTTAAGTC
 CACAAAACACCAACTCCAGGAAATTTAGGTGGTCTATTGATCAGCTGGCCATAATAAACCTGTAGAG
 ATCGATCCAGAGGAGATCCATCGGCAGGCTTCTACCTAAGGCTTCTCGAATAGATAAAGATGTGGAAG
 ACAAAAAGACAAAAGCCATTGAAGAGTTTTTACTAAAGATGTCATTGTGCCCTCCTCGGACTGATCA
 TGATGGAAAACAGCCTTCAGAGCTTCATCCAGTAAATGCCTAAGTAGCCATGATGACTCTCCTGATGG
 AAAAAGCCAAGTCTTCCCTCACAGAAGTCAACGCTGCCAGACTCTGCTGTCTCTTCTGTGGATT
 TTAATTTGGAAGCCATATTAGGAGACTATTTAGAGAAGAGGACTTTGTGGCCACACTCCTGGAACT
 CAGTTCTTCATCTCTGAGAAGAAAGCTTTTTGGATGGGAATGGAAGCATCTGTGACCCTTGCCTTCG
 CCGTCGCCCGGAAGTCTCCCTGCAAGTCCCGGGGTGCTCGAGGGACAGTTTTCTCCAGCCCCATTC
 AGAACAGTGTGAAAAATACAGCTTGGGAAGCGTCACCACGAGCCGTCGGCCATCTCCTCACCTACCT
 CTCACCTATCGCACTTCAAGGAGGAAAGACGCCGCTCAGAACCCAGGAAGCTTACGTTTCATTCTCC
 GAAGCTTCGTGTGCAACAGCTTCTACGGGGATCGTTAACCCGAGCATCAGGAGTCCGTACATAGATGGCT
 GCTCGCAATCAAAAAGTGGTCTCCTCGGAGACTGAGAGGTGGCCCTCAGTGTGTCTCCTCGTCCG
 CATACTTTTACCCTTGAGGCTCACAGTGAAGTGAAGAGGCGGACGTTTCTGCACAGGCGCGCTCCA
 CTCAGCACAAATGCTTGTGGTGAAGTTCGAGTTGCTACTGCCATGTCTGTTACACAGAGTCACTTGGA
 TTGCTGAGAAAGAGCGAGCAGTCTGGACGATGCGGAAAGTGAAGGAAAATGACACCGTGATATGSP
 CGATCCTACAGACACAGTAGCTGAAAGCAGTGGATAAAAAGAGCCAGTGGATGATGGGAATTCACCCATG
 ACGGATTCGCGAGTGGAAATGCCTTCAATGAAAAGTCTCATTATGTGCATGTCGCTCTTGCAGAAA
 GCAGTGTCTGCCTTATGAAAGCAGTGTATCCAGATGAATAGTACTATAACACACAGACTTGTGTAAG
 TAATATCACTGATATTGTTGGGACAGAAAGATATTGCAAAGAAAATGTCACACATACAAATGTTCCAGTG
 CCCTTTGAAGTGGAAATGAAATCTCAAGTTAATAACGTAACGCCCGGCCACAGCGCAGCGGTGCTGGA
 TGAATCTCCGCTCCATCTCAGTGCAGCCGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217899 representing NM_175265
 Red=Cloning site Green=Tags(s)

MGDVSELKMQITPETPGRIPVLNPFESPSDYSNLHEQTLASPSIFKSTKLPTPGKFRWSIDQLAIINPVE
 IDPEEIHQRQASYLRLSRIDKDVEDKRQKAIIEFFTKDVI VSPWTDHDGKQPSSELHPSKCLSSHDDSPDG
 KKPSPSPQKCNAACTLLSLPVDNFLEAILGDYFREEDFVAHTPGNLSSSLRRKFLDGNISICDPLPS
 PSPGSPPCSARGSLGQFSSSPIQNSVKKYSLGSVTTSPSAISSPTFSPIALQGGKTPLEPRKLFHSP
 EASCATASTGIVNPSIRSPYIDGCSPIKNWSPRRLRGGPQCLSSLVRIPTLEAHSEDEEADVSTGAAP
 LSTNACGEPRVVTAMSVTQSHSGIAEKERAVLDDAESERENDTVDMVDPTDTVAESTWIKEPVDDGNMSP
 TDSASGIAFSIENSHMCMSPLAESSVLPYESSAIQMNSDYNTQTCVSNITDIVGTERYCKENVTHTNVVP
 PFEVEMKQVNNVTPGHTAQRQWMSRPSQCSR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

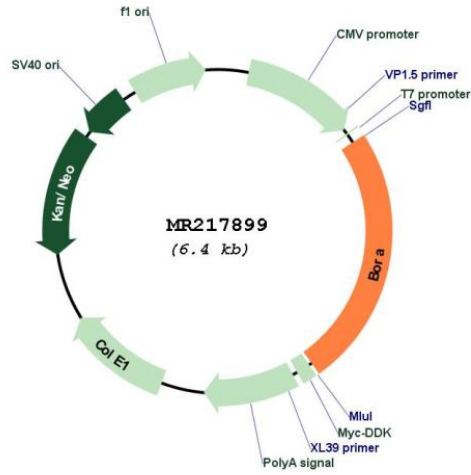
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_175265
ORF Size:	1575 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:	<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_175265.5
RefSeq Size:	2293 bp
RefSeq ORF:	1578 bp
Locus ID:	77744
UniProt ID:	Q8BS90
Cytogenetics:	14 E2.2
MW:	57.5 kDa
Gene Summary:	Required for the activation of AURKA at the onset of mitosis.[UniProtKB/Swiss-Prot Function]