

## Product datasheet for **MG217899**

### **Bora (NM\_175265) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bora (NM_175265) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bora
Synonyms:	6720463M24Rik; AI317232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217899 representing NM\_175265  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAGATGTCAGCGAATTAATAATGCAAATAACACCAGAACTCCAGGAAGGATCCCTGTTTTAAATC  
 CCTTTGAAAGTCCAGTGATTATTCTAATCTCCATGAACAAACCTTGCTAGTCCTTCTATCTTTAAGTC  
 CACAAAACACCAACTCCAGGAAATTTAGGTGGTCTATTGATCAGCTGGCCATAATAAACCTGTAGAG  
 ATCGATCCAGAGGAGATCCATCGGCAGGCTTCTACCTAAGGCTTCTCGAATAGATAAAGATGTGGAAG  
 ACAAAGACAAAAAGCCATTGAAGAGTTTTTACTAAAGATGTCATTGTGCCCTCCTCGGACTGATCA  
 TGATGGAAAACAGCCTTCAGAGCTTCATCCAGTAAATGCCTAAGTAGCCATGATGACTCTCCTGATGG  
 AAAAGCCAAGTCTTCCCTCACAGAAGTCAACGCTGCCTGCCAGACTCTGCTGTCTTCTCCTGTGGATT  
 TTAATTTGGAAGCCATATTAGGAGACTATTTAGAGAAGAGGACTTTGTGGCCACACTCCTGGAACT  
 CAGTTCTTCATCTCTGAGAAGAAAGCTTTTTGGATGGGAATGGAAGCATCTGTGACCCTTTGCCCTCG  
 CCGTCGCCCGGAAGTCTCCCTGCAAGTGCCTGGGGTTCGCTCGAGGGACAGTTTTCTTCCAGCCCATTC  
 AGAACAGTGTGAAAAATACAGCTTGGGAAGCGTCACCACGAGCCGTCGGCCATCTCCTCACCTACCTT  
 CTCACCTATCGCACTTCAAGGAGGAAAGACGCCGCTCAGAACCCAGGAAGCTTACGTTTCATTCTCC  
 GAAGCTTCGTGTGCAACAGCTTCTACGGGGATCGTTAACCCGAGCATCAGGAGTCCGTACATAGATGGCT  
 GCTCGCAATCAAAAAGTGGTCTCCTCGGAGACTGAGAGGTGGCCCTCAGTGTGTCTCCTCGTCCG  
 CATACTTTTACCCTTGAGGCTCACAGTGAAGATGAAGAGGCGGACGTTTCTGCACAGGCGCGCTCCA  
 CTCAGCACAAATGCTTGTGGTGAAGCTCGAGTTGTCAGTCCATGTCTGTTACACAGAGTCACTCTGGTA  
 TTGCTGAGAAAGAGCGAGCAGTCTGGACGATGCGGAAAGTGAAGGAAAATGACACCGTGGATATGGT  
 CGATCCTACAGACACAGTAGCTGAAAGCAGTGGATAAAAAGAGCCAGTGGATGATGGGAATTCACCCATG  
 ACGGATTCGCGAGTGGAAATGCCTTCAATGAAAAGTCTCATTATGTGCATGTCGCTCTTGCAGAAA  
 GCAGTGTCTGCCTTATGAAAGCAGTGTATCCAGATGAATAGTACTATAACACACAGACTTGTGTAAG  
 TAATATCACTGATATTGTTGGGACAGAAAGATATTGCAAAGAAAATGTCACACATACAAATGTTCCAGTG  
 CCCTTTGAAGTGGAAATGAAATCTCAAGTTAATAACGTAACGCCCGGCCACAGCGCAGCGGTGCTGGA  
 TGAATCTCCGCTCCATCTCAGTGCAGCCGCCG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217899 representing NM\_175265  
 Red=Cloning site Green=Tags(s)

MGDVSELKMQITPETPGRIPVLPNPFESPSDYSNLHEQTLASPSIFKSTKLPTPGKFRWSIDQLAIINPVE  
 IDPEEIHRRQASYLRLSRIDKDVEDKRQKAIEEFFTKDVI VSPWTDHDGKQPSSELHPSKCLSSHDDSPDG  
 KKPSLPSQKCNAACQTL LSLPVDFNLEAILGDYFREEDFVAHTPGNLSSSLRRKFLDNGSICDPLPS  
 PSPGSPPCSARGSLQGFSSSPIQNSVKKYSLGVSVTTSPSAISSPTFSPIALQGGKTPLEPRKLFHSP  
 EASCATASTGIVNPSIRSPYIDGCSPIKNWSRRLRGGPQCLSSLVRIPFTLEAHSEDEEADVSTGAAP  
 LSTNACGEPRVVTAMSVTQSHSGIAEKERAVLDDAESERENDTVDMVDPTDTVAESTWIKEPVDGNSPM  
 TDSASGIAFSIENSHMCMSPLAESSVLPYESSAIQMNSDYNTQTCVSNITDIVGTERYCKENVTHTNVVP  
 PFEVEMKSQVNNVTPGHTAQRWCWMSRPSQCSR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_175265
<b>ORF Size:</b>	1575 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175265.5</a>
<b>RefSeq Size:</b>	2293 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	77744
<b>UniProt ID:</b>	<a href="#">Q8BS90</a>
<b>Cytogenetics:</b>	14 E2.2
<b>Gene Summary:</b>	Required for the activation of AURKA at the onset of mitosis.[UniProtKB/Swiss-Prot Function]