

## Product datasheet for **MG206643**

### Bzw1 (BC005466) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bzw1 (BC005466) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bzw1
Synonyms:	MGC6434, mKIAA0005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206643 representing BC005466 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAATCAAAGCAGCAAAAACCAACGCTATCAGGCCAGCGTTTTAAAACCAGAAAAAGAGATGAAA  
AAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAACTGAACTGGTACTGATTT  
GGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACTTGACTACCGCCGCTATGCAGAAACTC  
TTTGACATTCTGGTGGCTGGCGGAATGCTGGCCCCGGTGGTACACTGGCAGATGACATGATGCGCACAG  
ATGTCTGTGTGTCGCAGCACAAGAAGACCTAGAGACCATGCAAGCATTGCTCAGTTTTTAACAAGCT  
AATCAGGCGCTACAAATACCTGGAGAAAGTTTTGAAGATGAAGTTAAAAAGTTACTGCTTTCCTAAAG  
GGGTTTTCAGAGTCGGAGAGGAACAAGCTTGCCATGTTGACTGGTGTCTTCTGGCTAATGGAACCTTA  
ATGCATCCATTCTAACAGCCTTATAATGAGAATTTGGTTAAAGAAGGGGTTTCAGCAGCTTTTGTCTGT  
AAAGCTCTTTAAATCATGGATAAATGAAAAAGACATCAATGCAGTTGCTGCGAGTCTTCGGAAAAGTCAGC  
ATGGACAACAGACTGATGGAGCTGTTCCCTGCCAATAACAAAGTGTGAGCATTCACTAAGTATTTCA  
CTGAGGCGGGCTTGAAGGAGCTTTCAGAGTATGTCGTAACCAGCAGACCATTGGGGCACGAAGGAGCT  
CCAAAAGGAGCTGCAGGAGCAGATGTCCCGTGGGACCCATTCAAGGACATAATTTTATATGTCAAGGAG  
GAGATGAAAAAATAACATTCCAGAACCAGTGGTCATTGGGATAGTCTGGTCCAGTGTGATGAGCACCG  
TGGAGTGAACAAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCAATACAGCCCTCT  
CCTTGCTGCCTTCACTACTCAAGGTCAGTCTGAGCTGACCCTGCTACTGAAGATCCAGGAGTATTGCTAT  
GACAACATTCATTTCATGAAGGCCTTCCAGAAAATAGTGGTGCTTTTTTATAAAGCTGAGGTCTGAGTG  
AAGAGCCATTCTGAAGTGGTATAAAGACGCACATGTTGCAAAGGGCAAAGTGTCTTCTTGAGCAAAT  
GAAGAAGTTGTAGAATGGCTCAAAAATGCTGAGGAGGAATCTGAGTCTGAAGCTGAAGAAGGTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206643 representing BC005466  
 Red=Cloning site Green=Tags(s)

MNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRYAETL  
 FDILVAGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFAQVFNKLIRRYKYLEKGFEDVKKLLFLK  
 GFSESERNKLAML TGVL LANGTLNASILNSLYNENLVKEGVSAFAVCLFKSWINEKDINAVAASLRKVS  
 MDNRLMELFPANKQSVEHF TKYF TEAGL KEL SEYVRNQQTIGARKELQKELQEQMSRGDPFKDIILYVKE  
 EMKNNIPEPVVIGIVWSSVMSTVEWNKKEELVAEQAIKHLKQYSPLLAFFTQGGSEL TLLKIQEYCY  
 DNIHFMAFKQKIVVLFYKAEVLSEEPILKWKDAHVAKGKSVFLEQMKKFVEWLKNAEEESEAE EEGD

TRTRPLE - GFP Tag - V

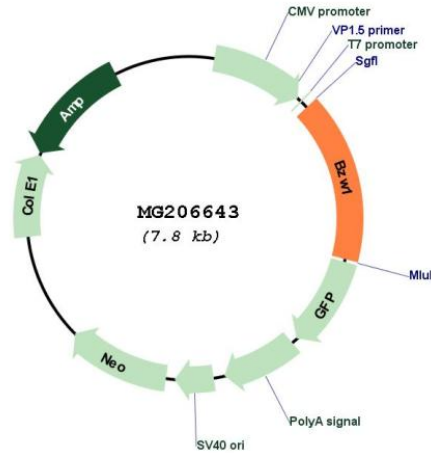
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC005466

<b>ORF Size:</b>	1259 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="#">BC005466</a> , <a href="#">AAH05466</a>
<b>RefSeq Size:</b>	2864 bp
<b>RefSeq ORF:</b>	1259 bp
<b>Locus ID:</b>	66882
<b>Cytogenetics:</b>	1 C1.3
<b>Gene Summary:</b>	Enhances histone H4 gene transcription but does not seem to bind DNA directly. [UniProtKB/Swiss-Prot Function]