

## Product datasheet for MR206640

### Bzw1 (NM\_025824) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bzw1 (NM_025824) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bzw1
Synonyms:	1200015E15Rik; mKIAA0005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206640 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAATCAAAGCAGCAAAAACCAACGCTATCAGGCCAGCGTTTTAAAACCAGAAAAAGAGATGAAA  
AAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAACTGAACTGGTACTGATTT  
GGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACTTGACTACCGCCGCTATGCAGAAACTC  
TTTGACATTCTGGTGGCTGGCGGAATGCTGGCCCCGGTGGTACACTGGCAGATGACATGATGCGCACAG  
ATGTCTGTGTGTTTCGCAGCACAAGAAGACCTAGAGACCATGCAAGCATTGCTCAGTTTTTAAACAAGCT  
AATCAGGCGCTACAAATACCTGGAGAAAGTTTTGAAGATGAAGTTAAAAAGTTACTGCTTTCCTAAAG  
GGGTTTTTCAGAGTCGGAGAGGAACAAGCTTGCCATGTTGACTGGTGTCTTCTGGCTAATGGAACCTTA  
ATGCATCCATTCTAACAGCCTTATAATGAGAATTTGGTTAAAGAAGGGGTTTCAGCAGCTTTTGTCTGT  
AAAGCTCTTTAAATCATGGATAAATGAAAAAGACATCAATGCAGTTGCTGCGAGTCTTCGGAAAAGTCAGC  
ATGGACAACAGACTGATGGAGCTGTTCCCTGCCAATAACAAAGTGTGAGCATTCACTAAGTATTTCA  
CTGAGGCGGGCTTGAAGGAGCTTTCAGAGTATGTCCTGAACCAGCAGACCATTGGGGCACGAAGGAGCT  
CCAAAAGGAGCTGCAGGAGCAGATGTCCCGTGGGACCCATTCAAGGACATAATTTATATGTCAAGGAG  
GAGATGAAAAAATAACATTCCAGAACCAGTGGTCAATTGGGATAGTCTGGTCCAGTGTGATGAGCACCG  
TGGAGTGAACAAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCAATACAGCCCTCT  
CCTTGCTGCCTTCACTACTCAAGGTCAGTCTGAGCTGACCCTGCTACTGAAGATCCAGGAGTATTGCTAT  
GACAACATTCATTCATGAAGGCCTTCCAGAAAATAGTGGTGCTTTTTTATAAAGCTGAGGTCTGAGTG  
AAGAGCCATTCTGAAGTGGTATAAAGACGCACATGTTGCAAAGGGCAAAAGTGTCTTCTTGAGCAAAT  
GAAGAAGTTGTAGAATGGCTCAAAAATGCTGAGGAGGAATCTGAGTCTGAAGCTGAAGAAGGTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206640 protein sequence  
Red=Cloning site Green=Tags(s)

MNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRYAETL  
 FDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFAQVFNKLIRRYKYLEKGFEDVKKLLLFLK  
 GFSESERNKLAML TGVL LANGTLNASILNSLYNENLVKEGVSAFAVKLFSWINEKDINAVAASLRKVS  
 MDNRLMELFPANKQSVEHF TKYF TEAGLKELSEVVRNQQTIGARKELQKELQEQMSRGDPFKDIILYVKE  
 EMKKNNIPEPVVIGIVWSSVMSTVEWNKKEELVAEQAIKHLKQYSPLLAFFTQGGSEL TLLLKIQEYCY  
 DNIHFMAKAFQKIVVLFYKAEVLSEEPILKWKYKDAHVAKGKSVFLEQMKKFVEWLKNAEEESESEAEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025824

**ORF Size:** 1260 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\\_025824.4](#)

**RefSeq Size:** 2833 bp

**RefSeq ORF:** 1260 bp

**Locus ID:** 66882

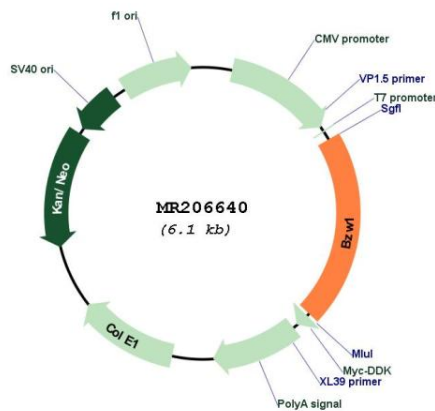
**UniProt ID:** [Q9CQC6](#)

**Cytogenetics:** 1 C1.3

**MW:** 48 kDa

**Gene Summary:** Enhances histone H4 gene transcription but does not seem to bind DNA directly.  
[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206640