

Product datasheet for **MR206643**

Bzw1 (BC005466) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bzw1 (BC005466) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bzw1
Synonyms:	MGC6434, mKIAA0005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206643 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAATCAAAGCAGCAAAAACCAACGCTATCAGGCCAGCGTTTTAAAACCAGAAAAAGAGATGAAA
AAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAACTGAACTGGTACTGATTT
GGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACTTGACTACCGCCGCTATGCAGAAACTC
TTTGACATTCTGGTGGCTGGCGGAATGCTGGCCCCGGTGGTACACTGGCAGATGACATGATGCGCACAG
ATGTCTGTGTGTTTCGCAGCACAAGAAGACCTAGAGACCATGCAAGCATTGCTCAGTTTTTAACAAGCT
AATCAGGCGCTACAAATACCTGGAGAAAGTTTTGAAGATGAAGTTAAAAAGTTACTGCTTTCCTAAAG
GGTTTTTCAGAGTCGGAGAGGAACAAGCTTGCATGTTGACTGGTGTCTTCTGGCTAATGGAACCTTA
ATGCATCCATTCTAACAGCCTTTATAATGAGAATTTGGTTAAAGAAGGGGTTTCAGCAGCTTTTGTCTG
AAAGCTCTTTAAATCATGGATAAATGAAAAAGACATCAATGCAGTTGCTGCGAGTCTTCGGAAAAGTCAGC
ATGGACAACAGACTGATGGAGCTGTTCCCTGCCAATAACAAAGTGTGAGCATTCACTAAGTATTTCA
CTGAGGCGGGCTTGAAGGAGCTTTCAGAGTATGTCGTAACCAGCAGACCATTGGGGCACGAAGGAGCT
CCAAAAGGAGCTGCAGGAGCAGATGTCCCGTGGGACCCATTCAAGGACATAATTTTATATGTCAGGGAG
GAGATGAAAAAAAATAACATTCCAGAACCAGTGGTCATTGGGATAGTCTGGTCCAGTGTGATGAGCACCG
TGGAGTGAACAAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCAATACAGCCCTCT
CCTTGCTGCCTTCACTACTCAAGGTCAGTCTGAGCTGACCCTGCTACTGAAGATCCAGGAGTATTGCTAT
GACAACATTCATTTCATGAAGGCCTTCCAGAAAATAGTGGTGCTTTTTTATAAAGCTGAGGTCTGAGTG
AAGAGCCATTCTGAAGTGGTATAAAGACGCACATGTTGCAAAGGGCAAAGTGTCTTCTTGAGCAAAT
GAAGAAGTTGTAGAATGGCTCAAAAATGCTGAGGAGGAATCTGAGTCTGAAGCTGAAGAAGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206643 protein sequence
Red=Cloning site Green=Tags(s)

MNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRAETL
 FDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFAQVFNKLIRRYKYLEKGFEDVKKLLLFLK
 GFSESERNKLA MLTGVLLANGTLNASILNSLYNENLVKEGVSAFAVKLFKSWINEKDINAVAASLRKVS
 MDNRLMELFPANKQSVEHF TKYFTEAGLKELSEYVRNQQTIGARKELQKELQEQMSRGDPFKDIILYVKE
 EMKKNNIPEPVVIGIVWSSVMSTVEWNKKEELVAEQAIKHLKQYSPLLAFFTQGGSEL TLLLKIQEYCY
 DNIHFMAKFQKIVVLFYKAEVLSEEPILKWKYKDAHVAKGKSVFLEQMKKFVEWLKNAEEESEAEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC005466

ORF Size: 1257 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: [BC005466](#), [AAH05466](#)

RefSeq Size: 2840 bp

RefSeq ORF: 1259 bp

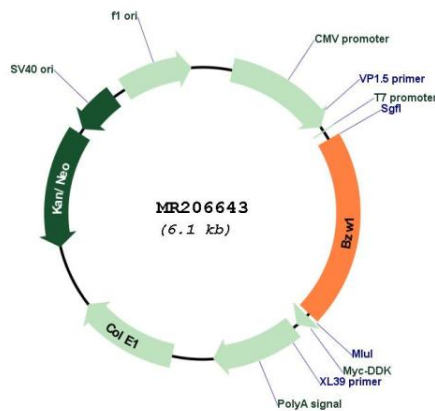
Locus ID: 66882

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 MR206643