

## Product datasheet for **RC200048**

### **BZW1 (NM\_014670) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BZW1 (NM_014670) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BZW1
Synonyms:	BZAP45; Nbla10236
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200048 representing NM_014670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAATCAAAGCAGCAAAGCCAACGCTATCAGGCCAGCGTTTTAAACTAGAAAAAGAGATGAAA  
AAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGTTAACTGAAACCGGTAAGTATT  
GGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACCTTGATTACCGTCGATATGCAGAAACTC  
TTTGACATTCTGGTGGCTGGTGGATGCTGGCCCCAGGTGGTACACTGGCAGATGACATGATGCGTACAG  
ATGTCTGCGTGTTCAGCCCAAGAAGATCTAGAGACCATGCAAGCATTGCTCAGTTTTTAACAAGTT  
AATCAGGCGCTACAAATACCTGGAGAAAGTTTTGAAGATGAAGTAAAAAGCTGCTGCTGTTCTTGAAG  
GGTTTTTCAGAGTCGGAGAGGAACAAGCTAGCTATGTTGACTGGTGTCTTCTGGCTAATGGAACACTTA  
ATGCATCCATTCTTAATAGCCTTTATAATGAAAATTTGGTTAAAGAAGGAGTTTCAGCAGCTTTTCTGT  
GAAGCTCTTTAAATCATGGATAAATGAAAAAGATCAATGCAGTAGCTGCAAGTCTTCGGAAAAGTCAGC  
ATGGATAACAGACTGATGGAACCTTTCTGCAATAAGCAAAGTGTGAACACTTCACAAAAATTTTTA  
CTGAGGCAAGCTTCAAAGAGCTTTCAGAATATGTTGGAATCAGCAAACCATCGGAGCTCGTAAGGAGCT  
CCAGAAAGAACTTCAAAGACAGATGTCCCGTGGTATCCATTTAAGGATATAATTTTATATGTCAGGAG  
GAGATGAAAAAAAACAACATTTTCATGAAAGCCTTCAGAAAAATAGTGGTCTTTTTTATAAAGCTG  
AAGTCTGAGCGAGGAGCCATTTTGAAGTGGTATAAAGATGCACATGTTGCAAAGGGGAAGAGTGT  
CCTTGAGCAAATGAAAAAGTTTGTAGAATGGCTCAAAAATGCTGAAGAAGTCTGAATCTGAAGCTGAA  
GAAGGTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC200048 representing NM\_014670  
Red=Cloning site Green=Tags(s)

MNNQKQQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRYAETL  
 FDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFAQVFNKLIRRYKYLEKGFEDVKKLLFLK  
 GFSEERNKLAML TGVLLANGTLNASILNSLYNENLVKEGVSAFAVCLFKSWINEKDINAVAASLRKVS  
 MDNRLMELFPANKQSVEHF TKYF TEAGLKELSEYVRNQQTIGARKELQKELQE QMSRGPDPFKDIILYVKE  
 EMKKNNIHFMKAFQKIVVLFYKAEVLSSEPIKWKYKDAHVAKGKSVFLEQMKKFVWLVKNAEESESEAE  
 EGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8112\\_a03.zip](https://cdn.origene.com/chromatograms/mk8112_a03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014670

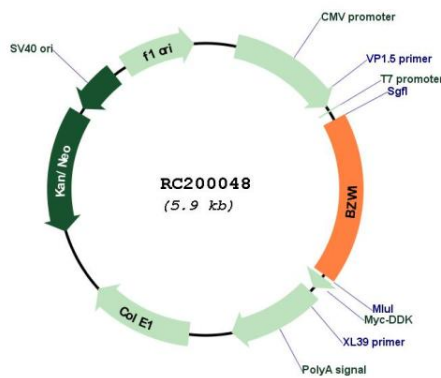
**ORF Size:** 1059 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_014670.3](#), [NP\\_055485.2](#)
- RefSeq Size:** 3195 bp
- RefSeq ORF:** 1062 bp
- Locus ID:** 9689
- UniProt ID:** [Q7L1Q6](#)
- Cytogenetics:** 2q33.1
- Domains:** eIF5C
- MW:** 40.5 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 RC200048