

Product datasheet for **SC114899**

BZW1 (NM_014670) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BZW1 (NM_014670) Human Untagged Clone
Tag:	Tag Free
Symbol:	BZW1
Synonyms:	BZAP45; Nbla10236
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114899 sequence for NM_014670 edited (data generated by NextGen Sequencing)

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ATGAATAATCAAAAGCAGCAAAAGCCAACGCTATCAGGCCAGCGTTTTAAACTAGAAAA
AGAGATGAAAAAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTA
ACTGAAACCGGTACTGATTTGGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAAA
CTTGATTACCGTCGATATGCAGAAACACTCTTTGACATTCTGGTGGCTGGTGAATGCTG
GCCCCAGGTGGTACACTGGCAGATGACATGATGCGTACAGATGTCTGCGTGTTCGAGCC
CAAGAAGATCTAGAGACCATGCAAGCATTGCTCAGGTTTTTAACAAGTTAATCAGGCGC
TACAAATACCTGGAGAAAGGTTTTGAAGATGAAGTAAAAAGCTGCTGCTGTTCTTGAAG
GGTTTTTCAGAGTCGGAGAGGAACAAGCTAGCTATGTTGACTGGTGTCTTCTGGCTAAT
GGAACACTTAATGCATCCATTCTTAATAGCCTTTATAATGAAAAATTTGGTTAAAGAAGGA
GTTTCAGCAGCTTTTGTGTGAAGCTCTTAAATCATGGATAAATGAAAAAGATATCAAT
GCAGTAGCTGCAAGTCTTCGAAAGTCAGCATGGATAACAGACTGATGGAACCTTTCT
GCCAATAAGCAAAGTGTGAACACTTCACAAAATATTTTACTGAGGCAGGCTTGAAGAG
CTTTCAGAATATGTTCCGGAATCAGCAAACCATCGGAGCTCGTAAGGAGCTCCAGAAAGAA
CTTCAAGAACAGATGTCCCGTGGTATCCATTTAAGGATATAATTTATATGTCAAGGAG
GAGATGAAAAAACAACATTCATTTTATGAAAGCCTTCCAGAAAATAGTGGTGTCTTTT
TATAAAGCTGAAGTCTGAGCGAGGAGCCATTTTGAAGTGGTATAAAGATGCACATGTT
GCAAAGGGGAAGAGTGTTTTCTTGAGCAAATGAAAAAGTTTGTAGAATGGCTCAAAAAT
GCTGAAGAAGAATCTGAATCTGAAGCTGAAGAAGGTGACTGA
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Clone variation with respect to NM_014670.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014670 unedited
 TCGGAATTTGTAATACGATTTACTATAGGGCGGCCGACATTCGCACGAGGTTCCGGTC
 GCAGAGGAGACACCGCCGAGTTGCCGGTACATCGGGGATTTCTGGCTCTTTCTCTTCG
 CCTTAAATTCGGGTGTCTTTTATGAATAATCAAAGCAGCAAAGCCAACGCTATCAGGC
 CAGCGTTTTAAACTAGAAAAAGAGATGATTTTTATAGGTTTGACCTACTCAGTTTCAA
 GACTGTATTATTCAAGGCTTAACTGAAACCGGACTGATTTGGAAGCAGTAGCTAAGTTT
 CTGTAGCTTCTGGAGCAAACCTTGATTACCGTCGATATGCAGAAACACTCTTTGACATT
 CTGGTGGCTGGTGAATGCTGGCCCCAGGTGGTACACTGGCAGATGACATGATGCGTACA
 GATGTCTGCGTGTGGCAGCCAAAGATCTAGAGACCATGCAAGCATTGCTCAGGTT
 TTTAACAGCTAATCAGGCGCTACAAATACCTGGAGAAAGGTTTTGAAGATGAAGTAAAA
 AAGCTGCTGCTGTTCTTGAAGGGTCTTTCACAGTCGGAGAGGAACAAGCTACCTATGCTG
 ACTGCGGCTCTTCTGGCTAATGGAACACTTAATGCATCCATTCTAATAGCCCTTATAAT
 GAACATTCGGTTAAGAAGGAGTTTCAGCAGCCTTTTGTGTGAACTCTTTACACCCTG
 GATAAACGAAAAAGATATTACTGCATCACCTGCAAGTCTTCTGGAAGTCAGCCCGGATA
 ACAGACTGATGGGACCTTTTCTGCCACTAAGCACAGCGCTGAACTTTCACACAATA
 TTCTACTGAGGCCGGCTCGAAAGAGCTTTCAGAAATGTTGCGGATTAGCAAACATTGGAC
 CCTGTAGGGACTCAGAAAACTCCGAACATAGTCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014670 unedited
 GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGTTACT
 ATACCTTTATTTCAAATTATATTACATGTTATTCCTCAAATGAACTTTTAAATGACAA
 ACTTTTGGCTCATAAGAATGGCACCTTCAAAGGGGCGATTTCCACTCAGTCTCTGGTGG
 CATTATTCAGGCTAGTTTCACCAGTTAAAAACCTTCAAATGTTCACTTTTAAACACAAA
 GTCTTCCATAAAAAATGTGGCTACATTTCCCCCAATGACTACATACATAGATGGGTA
 GCAGCAAGAAAAGATGAAAATGAAAAGGCAGCCATTAATAAATGGATCAATTGTATAC
 CAAGAAGTATTTGGCTCATGGCAATTAACAAACGGCAACTAGGGTATGTTAATAGCCAGA
 GGCTTGAGTCATTACTGAGTATATTAAGAGAACGAAGCCAGTCCAGTATGACCGAGTAGG
 AATATATAATTGTCATTGCATTCATTTGTTATAGCAAATACTCTAAGCCAATAGGAAAT
 CTAAGCTATATCTAGATCCCAATTAGAACATGCTGACCTTTAACATTTTCAACAATTTT
 TACTGGGTTTAGTACATCAGTCATTTTCTTTACTCAAACCTCATTACGAGTCTTTTCTCA
 TCAATCTAAGTGTATTCTGTGCATAAAATACCTTAAATGTTAAGACTTTTCTAAGGTTCA
 TTTGAAAATGGGTGATGAAAAGATACCCATTGTTTTGCCTGGAAAGAAGAACTAATG
 CANAAGTTTCTCAGGGGAAAACTCACTTTTTTCTCCACACCTTGGCCATTAGATTTT
 TAACTTCAGTCTGTCTTCATGGCTCTTAGATGAAACCAGACCAACATTGACTTAGATTT
 CGGAGTAATGCAACAAACAA

Restriction Sites:

NotI-NotI

ACCN:

NM_014670

Insert Size:

2680 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 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](#)

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_014670.2](#), [NP_055485.2](#)

RefSeq Size: 2816 bp

RefSeq ORF: 1062 bp

Locus ID: 9689

UniProt ID: [Q7L1Q6](#)

Cytogenetics: 2q33.1

Domains: eIF5C

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

Transcript Variant: This variant (4) uses an alternate in-frame splice site in the coding region, compared to variant 1. It encodes isoform 4, which is shorter than isoform 1.