

Product datasheet for **RC234055**

BZW1 (NM_001207069) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BZW1 (NM_001207069) 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)



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ORF Nucleotide Sequence:

>RC234055 representing NM_001207069
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTCTTTTATGAATAATCAAAAGCAGCAAAGCCAACGCTATCAGGCCAGCGTTTTAAACTAGAA
 AAAGAGATGAAAAAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAACTGAAAC
 CGTACTGATTTGGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACCTGATTACCGTCGATAT
 GCAGAAACACTCTTTGACATTCTGGTGGCTGGTGAATGCTGGCCCCAGGTGGTACACTGGCAGATGACA
 TGATGCGTACAGATGTCTGCGTGTTCAGCCCCAAGAAGATCTAGAGACCATGCAAGCATTGCTCAGGT
 TTTTAAACAAGTTAATCAGGCGCTACAAATACCTGGAGAAAGGTTTTGAAGATGAAGTAAAAAGCTGCTG
 CTGTTCTGAAGGTTTTTCAGAGTCGGAGAGGAACAAGCTAGCTATGTTGACTGGTGTCTCTGGCTA
 ATGGAACACTTAATGCATCCATTCTTAATAGCCTTTATAATGAAAATTTGGTTAAAGAAGGAGTTTCAGC
 AGCTTTTCTGTGAAGCTCTTTAAATCATGGATAAATGAAAAAGATATCAATGCAGTAGCTGCAAGTCTT
 CGGAAAGTCAGCATGGATAACAGACTGATGGAACCTTTTCTGCCAATAAGCAAAGTGTTGAACACTTCA
 CAAAATATTTTACTGAGGCAGGCTTGAAGAGCTTTCAGAATATGTTCCGGAATCAGCAAACCATCGGAGC
 TCGTAAGGAGCTCCAGAAAGAACTTCAAGAACAGATGTCCCGTGGTGATCCATTTAAGGATATAATTTTA
 TATGTCAAGGAGGAGATGAAAAAAAACAACATCCAGAGCCAGTTGTCATCGGAATAGTCTGGTCAAGTG
 TAATGAGCACTGTGGAATGGAACAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCA
 ATACAGCCCTCTACTTGTGCTTTACTACTCAAGGTCAGTCTGAGCTGACTCTGTTACTGAAGATTGAG
 GAGTATTGCTATGACAACATTCATTTTGAAGTGGTATAAAGATGCACATGTTGCAAAGGGAAGAGTGT
 AAGTCTGAGCGAGGAGCCCATTTTGAAGTGGTATAAAGATGCACATGTTGCAAAGGGAAGAGTGT
 CCTTGAGCAAATGAAAAAGTTTGTAGAATGGCTCAAAAATGCTGAAGAAGAAATCTGAATCTGAAGCTGAA
 GAAGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234055 representing NM_001207069
 Red=Cloning site Green=Tags(s)

MVSFMNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRY
 AETLFDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFQVFNKLIRRYKYLEKGFEDVKKLL
 LFLKGFSESERNKLAML TGVL LANGTLNASILNSLYNENLVKEGVSAFAVKL FKS WINEKDINAVAASL
 RKVSMNRLMELFPANKQSVEHFTKYFTEAGLKESEYVRNQQTIGARKELQKELQE QMSRGDPFKDIIL
 YVKEEMKNNIPEPVVIGIVWSSVMSTVEWNNKEELVAEQAIKHLKQYSPLLAAFTTQGSSELTLLKIQ
 EYCYDNIHFMKAFQKIVVLFYKAEVLSSEPIKWKYKDAHVAKGKSVFLEQMKKFVEWLKNAEESESEAE
 EGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001207069

ORF Size: 1269 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_001207069.1](#), [NP_001193998.1](#)
RefSeq Size: 3086 bp

RefSeq ORF: 1272 bp

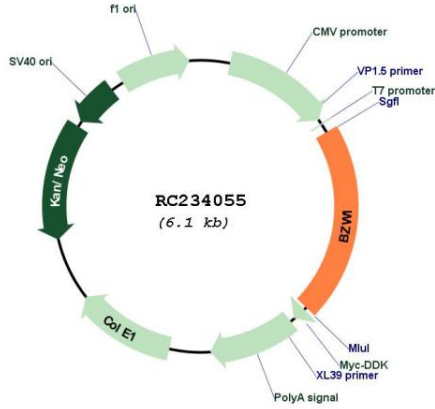
Locus ID: 9689

UniProt ID: [Q7L1Q6](#)
Cytogenetics: 2q33.1

MW: 49 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 RC234055