

Product datasheet for **RC234040**

BZW1 (NM_001207067) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BZW1 (NM_001207067) 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:	>RC234040 representing NM_001207067 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAATCAAAGCAGCAAAGCCAACGCTATCAGGCCAGCGTTTTAAACTAGAAAAAGAGATGAAA
AAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGTTAACTGAAACCGGTAAGTATT
GGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACCTTGATTACCGTCGATATGCAGAAACTC
TTTGACATTCTGGTGGCTGGTGGATGCTGGCCCCAGGTGGTACACTGGCAGATGACATGATGCGTACAG
ATGTCTCGGTGTTTGCAGCCCAAGAAGATCTAGAGACCATGCAAGCATTGCTCAGGTTTTAAACAAGTT
AATCAGGCCTACAAATACCTGGAGAAAGTTTTGAAGATGAAGTAAAAAGCTGCTGCTGTTCTTGAAG
GGTTTTTCAGAGTCGGAGAGGAACAAGCTAGCTATGTTGACTGGTGTCTTCTGGCTAATGGAACACTTA
ATGCATCCATTCTTAATAGCCTTTATAATGAAAATTTGGTTAAAGAAGGAGTTTCAGCAGCTTTTGTCTG
GAAGCTCTTTAAATCATGGATAAATGAAAAAGATCAATGCAGTAGCTGCAAGTCTTCGGAAAAGTCAGC
ATGGATAACAGACTGATGGAACCTTTCTGCAATAAGCAAAGTGTGAACTTCACAAAAATTTTTA
CTGAGGCAGGCTTGAAGAGCTTTCAGAATATGTTGGAATCAGCAAACCATCGGAGCTCGTAAGGAGCT
CCAGAAAGAACTTCAAGAACAGATGTCCCGTGGTATCCATTTAAGGATATAATTTTATATGTCAGGAG
GAGATGAAAAAAAACAACATCCCAGAGCCAGTTGTCATCGGAATAGTCTGGTCAAGTGAATGAGCACTG
TGAATGGAACAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCAATACAGCCCTCT
ACTTGCTGCCTTTACTACTCAAGGTCAGTCTGAGCTGACTCTGTTACTGAAGATTGAGGATATTGCTAT
GACAACATTCAATTCATGAAAGCCTTCAGAAAAAGTGGTGCTTTTTTATAAAGCTGAAGTCTGAGCG
AGGAGCCCATTTTGAAGTGGTATAAAGATGCACATGTTGCAAAGGGGAAGAGTGTTCCTTGAGCAAAT
GAAAAAGTTGTAGAATGGCTCAAAAATGCTGAAGAAGAATCTGAATCTGAAGCTGAAGAAGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC234040 representing NM_001207067
 Red=Cloning site Green=Tags(s)

MNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRYAETL
 FDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFAQVFNKLIRRYKYLEKGFEDVKKLLLFLK
 GFSESERNKLAML TGVL LANGTLNASILNSLYNENLVKEGVSAFAVKLFKSWINEKDINAVAASLRKVS
 MDNRLMELFPANKQSVEHF TKYF TEAGLKELSEYVRNQQTIGARKELQKELQEQMSRGDPFKDIILYVKE
 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: NM_001207067

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: [NM_001207067.2](#)

RefSeq Size: 3400 bp

RefSeq ORF: 1260 bp

Locus ID: 9689

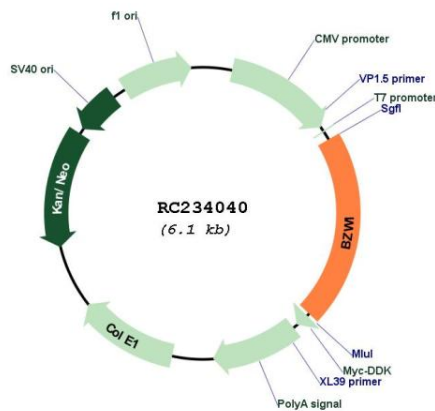
UniProt ID: [Q7L1Q6](#)

Cytogenetics: 2q33.1

MW: 48.5 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 RC234040