

Product datasheet for **RG234040**

BZW1 (NM_001207067) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BZW1 (NM_001207067) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BZW1
Synonyms:	BZAP45; Nbla10236
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234040 representing NM_001207067 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAATCAAAGCAGCAAAGCCAACGCTATCAGGCCAGCGTTTTAAACTAGAAAAAGAGATGAAA
AAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAACTGAAACCGGTAAGTATT
GGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACCTTGATTACCGTCGATATGCAGAAACTC
TTTGACATTCTGGTGGCTGGTGGATGCTGGCCCCAGGTGGTACACTGGCAGATGACATGATGCGTACAG
ATGTCTGCGTGTTCAGCCCAAGAAGATCTAGAGACCATGCAAGCATTGCTCAGTTTTTAACAAGTT
AATCAGGCGCTACAAATACCTGGAGAAAGTTTTGAAGATGAAGTAAAAAGCTGCTGCTGTTCTTGAAG
GGTTTTTCAGAGTCGGAGAGGAACAAGCTAGCTATGTTGACTGGTGTCTTCTGGCTAATGGAACACTTA
ATGCATCCATTCTTAATAGCCTTTATAATGAAAATTTGGTTAAAGAAGGAGTTTCAGCAGCTTTTGTCTG
GAAGCTCTTTAAATCATGGATAAATGAAAAAGATCAATGCAGTAGCTGCAAGTCTTCGGAAAAGTCAGC
ATGGATAACAGACTGATGGAACCTTTCTGCAATAAGCAAAGTGTGAACTTCACAAAAATATTTTA
CTGAGGCAAGCTTGAAGAGCTTTCAGAATATGTTGGAATCAGCAAACCATCGGAGCTCGTAAGGAGCT
CCAGAAAGAACTTCAAGAACAGATGTCCCGTGGTATCCATTTAAGGATATAATTTTATATGTCAGGGAG
GAGATGAAAAAAAACAACATCCCAGAGCCAGTTGTCATCGGAATAGTCTGGTCAAGTGAATGAGCACTG
TGGAAATGGAACAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCAATACAGCCCTCT
ACTTGCTGCCTTTACTACTCAAGGTCAGTCTGAGCTGACTCTGTTACTGAAGATTGAGGAGTATTGCTAT
GACAACATTCAATTTATGAAAGCCTTCCAGAAAATAGTGGTGCTTTTTTATAAAGCTGAAGTCTGAGCG
AGGAGCCATTTTGAAGTGGTATAAAGATGCACATGTTGCAAAGGGAAGAGTGTTCCTTGAGCAAAT
GAAAAAGTTGTAGAATGGCTCAAAAATGCTGAAGAAGAATCTGAATCTGAAGCTGAAGAAGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234040 representing NM_001207067
 Red=Cloning site Green=Tags(s)

MNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRYAETL
 FDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFAQVFNKLIRRYKYLEKGFEDVKKLLLFLK
 GFSESERNKLAMLTGVLLANGTLNASILNSLYNENLVKEGVSAAFVAVKLFKSWINEKDINAVAASLRKVS
 MDNRLMELFPANKQSVHFVTKYFTEAGLKELSEVVRNQQTIGARKELQKELQEQMSRGDPFKDIIILYVKE
 EMKNNIPEPVVIGIVWSSVMSTVEWNKKEELVAEQAIKHLKQYSPLLAFTTQGGQSELTLKKIQEYCY
 DNIHFMAFKQKIVVLFYKAEVLSEEPILKWKYKDAHVAKGKSVFLEQMKKFVEWLKNAEEESESEAEED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

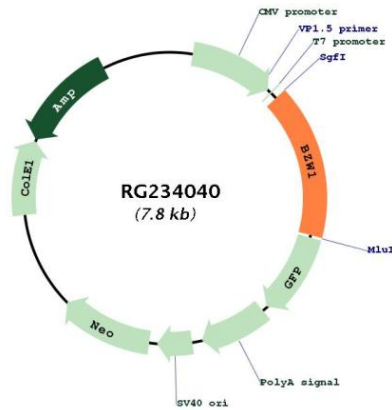
Locus ID: 9689

UniProt ID: [Q7L1Q6](#)

Cytogenetics: 2q33.1

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

Product images:



Circular map for RG234040