

Product datasheet for **RG234055**

BZW1 (NM_001207069) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BZW1 (NM_001207069) 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: >RG234055 representing NM_001207069
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGTCTTTTATGAATAATCAAAGCAGCAAAAGCCAACGCTATCAGGCCAGCGTTTTAAACTAGAA
 AAAGAGATGAAAAAGAGAGGTTTGACCCTACTCAGTTTCAAGACTGTATTATTCAAGGCTTAAGTAAAC
 CGGTACTGATTTGGAAGCAGTAGCTAAGTTTCTTGATGCTTCTGGAGCAAACTTGATTACCGTCGATAT
 GCAGAAACTCTTTGACATTCTGGTGGCTGGTGAATGCTGGCCCCAGGTGGTACTGGCAGATGACA
 TGATGCGTACAGATGTCTGCGTGTTCAGCCCAAGAAGATCTAGAGACCATGCAAGCATTGCTCAGGT
 TTTTAACAAGTTAATCAGGCGCTACAAATACCTGGAGAAAGGTTTTGAAGATGAAGTAAAAAAGCTGCTG
 CTGTTCTTGAAGGTTTTTCAGAGTCCGAGAGGAACAAGCTAGCTATGTTGACTGGTGTCTTCTGGCTA
 ATGGAACACTTAATGCATCCATTCTTAATAGCCTTTATAATGAAAATTTGGTTAAAGAAGGAGTTTCAGC
 AGCTTTTGTGTGAAGCTCTTTAAATCATGGATAAATGAAAAAGATATCAATGCAGTAGCTGCAAGTCTT
 CGGAAAGTCAGCATGGATAACAGACTGATGGAACCTTTTCTGCCAATAAGCAAAGTGTGAACACTTCA
 CAAAATATTTTACTGAGGCAGGCTTGAAGAGCTTTCAGAATATGTTCCGGAATCAGCAAACCATCGGAGC
 TCGTAAGGAGCTCCAGAAAGAATTCAAGAACAGATGTCCCGTGGTATCCATTTAAGGATATAATTTTA
 TATGTCAAGGAGGAGATGAAAAAACAACATCCAGAGCCAGTTGTCATCGGAATAGTCTGGTCAAGT
 TAATGAGCACTGTGGAATGGAACAAAAAGAGGAGCTTGTAGCAGAGCAAGCCATCAAGCACTTGAAGCA
 ATACAGCCCTCTACTTGCTGCCTTACTACTCAAGGTCAGTCTGAGCTGACTCTGTTACTGAAGATTCAG
 GAGTATTGCTATGACAACATTCATTTTCATGAAAGCCTTCCAGAAAATAGTGGTGTCTTTTATAAAGCTG
 AAGTCCTGAGCGAGGAGCCATTTTGAAGTGGTATAAAGATGCACATGTTGCAAAGGGGAAGAGTGT
 CCTTGAGCAAATGAAAAAGTTTGTAGAATGGCTCAAAAATGCTGAAGAAGAACTGAATCTGAAGCTGAA
 GAAGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234055 representing NM_001207069
Red=Cloning site Green=Tags(s)

MVSFMNNQKQKPTLSGQRFKTRKRDEKERFDPTQFQDCIIQGLTETGTDLEAVAKFLDASGAKLDYRRY
 AETLFDILVAGGMLAPGGTLADMMRTDVCVFAAQEDLETMQAFQVFNKLIRRYKYLEKGFEDVKKLL
 LFLKGFSESERNKLAML TGVLLANGLNASILNSLYNENLVKEGVSAAFVAVKLFKSWINEKDINAVAASL
 RKVSMNRLMELFPANKQSVEHF TKYFTEAGLKELSEYVRNQQTIGARKELQKELQEQMSRGDPFKDIIL
 YVKEEMKNNIPEPVVIGIVWSSVMSTVEWNKKEELVAEQAIKHLKQYSPLLAAF TTQGGSEL TLLKIQ
 EYCYDNIHFMAFKQIVVLFYKAEVLSEEPILKWKYKDAHVAKGKSVFLEQMKKFVEWLKNAEEEESEAE
 EGD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

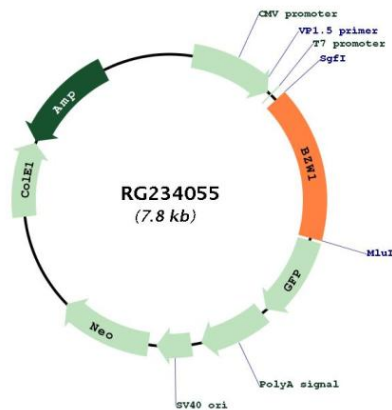
Locus ID: 9689

UniProt ID: [Q7L1Q6](#)

Cytogenetics: 2q33.1

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

Product images:



Circular map for RG234055