

Product datasheet for **RG203310**

BZW2 (NM_014038) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BZW2 (NM_014038) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BZW2
Synonyms:	HSPC028; MST017; MSTP017
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203310 representing NM_014038 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAAGCATCAGAAGCCAGTGCTAACAGGCCAGCGTTCAAACCTCGGAAAAGGGATGAAAAAGAGA
AATTCGAACCCACAGTCTTCAGGGATACACTTGTCCAGGGGCTTAATGAGGCTGGTGATGACCTTGAAGC
TGTAGCCAAATTTCTGGACTCTACAGGCTCAAGATTAGATTATCGTCGCTATGCAGACACACTCTTCGAT
ATCCTGGTGGCTGGCAGTATGCTTGCCCTGGAGGAACCGCATAGATGATGGTGACAAGACCAAGATGA
CCAACCACTGTGTGTTTTAGCAATGAAGATCATGAAACCATCCGAACTATGCTCAGGCTTCAATAA
ACTCATCAGGAGATATAAGTATTTGGAGAAGGCATTTGAAGATGAAATGAAAAGCTTCTCCTCTTCCTT
AAAGCCTTTTCCGAAACAGAGCAGACAAAGTTGGCGATGCTGTCCGGGATTCTGCTGGGCAATGGCACCC
TGCCCCCACCATCCTCACCAGTCTCTTACCAGCAGCTTAGTCAAAGAAGGCATTGCGGCCCTATTGTC
TGTCAGCTTTTCAAAGCATGGATGGCAGAAAAAGATGCCAAGCTGTTACCTCGTCTTTGAGAAAAAGCC
AACTTAGACAAGAGGCTGCTTGAAGTCTTTCCAGTTAACAGACAGAGTGTGGATCATTTTGTAAACT
TCACTGACGCAGGTCTTAAGGAGCTTTCCGACTTCTCCGAGTCCAGCAGTCCCTGGGCACCAGGAAGGA
ACTGCAGAAGGAGCTCCAGGAGCGTCTTTCTCAGGAATGCCGATCAAGGAGGTGGTGTATATGTCAA
GAAGAAATGAAGAGGAATGATCTTCCAGAAACAGCAGTATTGGTCTTCTGTGGACATGTAATGAACG
CTGTTGAGTGGAACAAGAAGGAAGAACTTGTTCAGAGCAGGCTCTGAAGCACCTGAAGCAATATGCTCC
CCTGCTGGCCGTGTTAGCTCCCAAGGCCAGTCAGAGCTGATCCTCCTCCAGAAGTTCCAGGAATACTGC
TACGACAACATCCATTTTCAAGGCTTTTCAAGATTGTGGTCTCTTTTATAAAGCTGATGTTCTGA
GCGAAGAAGCAATACTGAAATGGTATAAGGAAGCACATGTTGCTAAAGGCAAAAGTGTTTTTCTTGACCA
GATGAAGAAATTTGTTGAGTGTTACAAAATGCAGAAGAAGAATCCGAATCGGAAGGTGAGGAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203310 representing NM_014038
 Red=Cloning site Green=Tags(s)

MNKHQKPVL TGQRFKTRKRDEKEKFEPTVFRDTLVQGLNEAGDDLEAVAKFLDSTGSRLDYRRYADTLFD
 ILVAGSMLAPGGTRIDGDKTKMTNHCVF SANEDHETIRNYAQVFNKLI RRYKYLEKAFEDEMKLLFL
 KAFSETEQTKLAML SGILLGNGTLPATILTSLFTDSL VKEGIAASF AVKLFKAWMAEKDANSVTSSLRKA
 NLDKRLLLELFPVNRQSVDFHFAKYFTDAGLKE LSDFLRVQQSLGTRKELQKELQERLSQECPIKEVVLVYK
 EEMKRNDLPETA VI GLLWTCIMNAVEWNKKEELVAEQALKHLKQYAPLLAVFSSQGQSELILLQKVQEYK
 YDNIHFMAFKQIVVLFYKADVLS EEA I LK WYK EAHVAKGKSVFLDQMKKFV EWLQNAEEESESEGEEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014038

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_014038.3](#)

RefSeq Size: 1869 bp

RefSeq ORF: 1260 bp

Locus ID: 28969

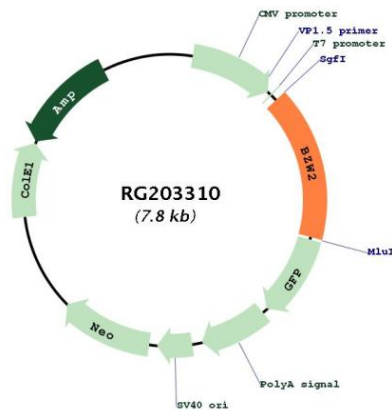
UniProt ID: [Q9Y6E2](#)

Cytogenetics: 7p21.1

Domains: eIF5C

Gene Summary: May be involved in neuronal differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203310