

Product datasheet for MR217658

Bzw2 (NM_025840) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bzw2 (NM_025840) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bzw2
Synonyms:	1110001I24Rik; Bdm2; HSPC028
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217658 representing NM_025840 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAATAAGCATCAGAAGCCAGTACTAACAGGCCAGCGTTCAAACCCGGAAAAGGGATGAAAAAGAGA
AATTCGAACCCACAGTTTTTCAGGGATACACTTGTCCAGGGGCTTAATGAAGCTGGTGATGACCTTGAAGC
TGTAGCCAAATTTTTGGATTCTACTGGCTCAGGATTAGATTACCGTCGCTATGCAGACACACTCTTTGAT
ATCCTGGTGGCTGGCAGTATGCTTGCCCTGGAGGAACACGCATAGACGATGGTGACAAGACCAAGATGA
CCAACCACTGTGTGTTTTAGCAATGAAGATCATGAAACCATCCGAACTATGCTCAGGTCTTCAATAA
ACTCATCAGGAGATACAAGTATTTGGAAAAGGCATTTGAAGATGAAATGAAAAGCTTCTCCTCTTCCTT
AAAGCATTTTTCTGAAGCAGAGCAGACAAAGTTGGCAATGCTGTCTGGGATCCTGTGGGCAATGGGACCC
TCCCAGCCACCATCCTCACCAGTCTCTTACAGACAGCTTAGTCAAAGAAGGCATCGCAGCCTCATTTCGC
TGTCAAGCTTTTCAAAGCCTGGATGGCAGAGAAAAGATGCCAATCTGTTACCTCTTCACTGAGAAAAGCC
AACTTAGACAAGAGGCTGCTTGAAGTCTTCCAGTGAACAGACAGAGTGTGGATCATTTTCGTAAGTACT
TCACTGACGCGGGGCTGAAGGAGCTGTCGGACTTCTCCGAGTCCAGCAGTCGCTGGGCACCAGGAAAGA
ACTGCAGAAGGAGCTGCAAGAGCGACTGTCTCAGGAATGCCCCATCAAGGAGTGGTGTTCACGTCAA
GAGGAAATGAAAAGGAACGACCTTCCGAAACAGCTGTGATCGGGCTGCTGTGGACCTGCATGAAATG
CGGTGGAATGGAACAAGAAGGAGGAGCTGGTTGCGGAGCAGGCACTGAAGCACCTAAAGCAATACGCTCC
GCTGCTGGCCGTGTTTCAGTTCCTCAAGGCCAGTCCGAGCTCGTCTCCTGCAGAAGTTTCAGGAATACTGC
TACGACAACATCCACTTCATGAAGGCCTTCCAGAAGATCGTGGTCTCTTTTATAAAGCCGACGTTCTGA
GCGAAGAGGCGATACTGAAGTGGTATAAAGAAGCACACGCCGCAAGGCAAGAGCGTCTTTCTTGACCA
GATGAAGAAATTTGTGGAGTGGTTACAAAATGCAGAAGAAGAATCTGAATCAGAAGGCGAAGAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217658 representing NM_025840
Red=Cloning site Green=Tags(s)

MNKHQKPVLTGQRFKTRKRDEKEKEFPTVFRDTLVQGLNEAGDDLEAVAKFLDSTGSRLDYRRYADTLFD
 ILVAGSMLAPGGTRIDGDKTKMTNHCVF SANEDHETIRNYAQVFNKLI RRYKYLEKAFEDMKLLLLFL
 KAFSEAEQTKLAML SGILLGNGLTPATIL TSLFTDSL VKEGIAASFVAVKLFKAWMAEKDANSVTSSLRKA
 NLDKRLLELFPVNRQSVDFHAKYFTDAGLKE L SDFLRVQQSLGTRKELQKELQERLSQECPIKEVVLVYK
 EEMKRNDLPETA VIGLLWTCIMNAVEWNKKEELVAEQALKHLKQYAPLLAVFSSQSQSELVLLQKVQEYC
 YDNIHFMAFKQIVVLFYKADVLSEEAILKWKYEAHAAKGSVFLDQMKKFVEWLQNAEEEESEGEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9077_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_025840

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_025840.3](#), [NP_080116.2](#)

RefSeq Size: 1889 bp

RefSeq ORF: 1260 bp

Locus ID: 66912

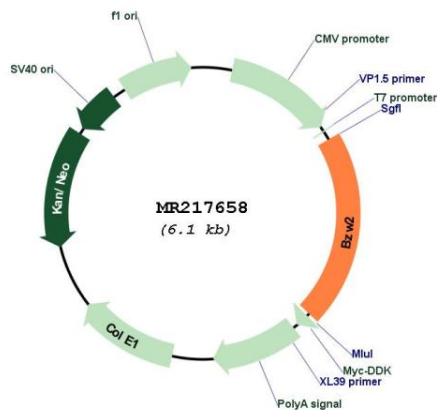
UniProt ID: [Q91VK1](#)

Cytogenetics: 12 A3

MW: 48.1 kDa

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

Product images:



Circular map for MR217658