

Product datasheet for **RR201514**

Bzw2 (NM_134402) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bzw2 (NM_134402) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bzw2
Synonyms:	Hfb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201514 representing NM_134402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATAAGCATCAGAAGCCGGTACTAACAGGCCAGCGTTCAAACCCGAAAAGGGATGAAAAAGAGA
AATTCGAACCCACAGTCTTCAGGGATACACTTGTCCAGGGGCTTAATGAAGCTGGTGATGACCTTGAAGC
TGTAGCCAAATCTTGGACTCTACTGGCTCAGACTAGATTATCGTCGCTATGCAGACACTCTTTGAT
ATCCTGGTGGCTGGCAGCATGCTTGCCCTGGAGGAACACGCATAGATGATGGTGACAAGACCAAGATGA
CCAACCACTGTGTGTTTTCAGCAATGAAGATCATGAAACCATCCGAAACTATGCTCAGGCTTCAACAA
ACTCATCAGGAGATACAAATATTTGAAAAGGCATTTGAAGATGAAATGAAAAGCTTCTCCTTTCCTT
AAAGCATTTTCTGAAGCAGAGCAGACAAAGTTGGCAATGCTGTCTGGGATCCTGTTGGGCAATGGAACCC
TCCCGCCACCATCCTTACCAGTCTCTTACCAGCAGCTTAGTCAAAGAAGGCATCGCAGCCTCGTTCGC
TGTCAGCTTTTCAAAGCCTGGATGGCAGAGAAAGATGCCAATCTGTACCTCTTCATTGAGAAAAGCC
AACCTGGACAAGAGGCTGCTTGAACCTTCCCAGTGAACAGACAGAGTGTGGATCATTTCGCAAGTACT
TCACTGACGCAGGACTGAAGGAGCTGTGACTTTCTCCGAGTCCAGCAGTCACTGGGCACCAGGAAGGA
ACTGCAGAAGGAGCTGCAAGAGCAGTGTCTCAGGAATGCCCATCAAGGAGGTGGTGTCTTACGTCAAA
GAGGAAATGAAAAGGAACGACCTTCCGGAGACAGCTGTGATCGGGCTGCTGTGGACCTGCGTCATGAACG
CTGTGGAATGGAACAAGAAGGAGGAGCTGGTTGCTGAGCAGGCTCTTAAGCACCTGAAGCAATACGCTCC
CCTGCTGGCCGTGTTTCAAGTCCCAAGGCCAGTCAAGGCTTGTCTCCTGCGAGAAGGTTTCAAGCAACTGC
TATGACAACATCCACTTCATGAAAGCCTTCCAGAAGATCGTGGTTCTCTTTATAAAGCCGACGTTCTGA
GCGAGGAGGCGTACTGAAGTGGTATAAAGAAGCACATGCCGCCAAAGGCAAAGCGTCTCCTTGACCA
GATGAAGAAATTTGTGGAGTGGCTACAAATGCAGAAGAAGTCTGAATCAGAAGGTGAAGAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATTAAGTTTAA



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Protein Sequence: >RR201514 representing NM_134402
 Red=Cloning site Green=Tags(s)

MNKHQKPVL TGQRFKTRKRDEKEKFEPTVFRDTLVQGLNEAGDDLEAVAKFLDSTGSRLDYRRYADTLFD
 ILVAGSMLAPGGTRIDDDGDKTKMTNHCVFSANEDHETIRNYAQVFNKLI RRYKYLEKAFEDEMKLLLLFL
 KAFSEAEQTKLAML SGILLGNGLTPATIL TSLFTDSL VKEGIAASFVAVKLFKAWMAEKDANSVTSSLRKA
 NLDKRLLLELFPVNRQSVDFHFAKYFTDAGLKELSDFLRVQQSLGTRKELQKELQERLSQECPIKEVVLVYK
 EEMKRNDLPETA VIGLLWTCVMNAVEWNKKEELVAEQALKHLKQYAPLLAVFSSQSQSELVLLQKVOEYC
 YDNIHFMAFKQIVVLFYKADVLSEEAILKWYKEAHAAGKSVFLDQMKKFVEWLQNAEEEESEGEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

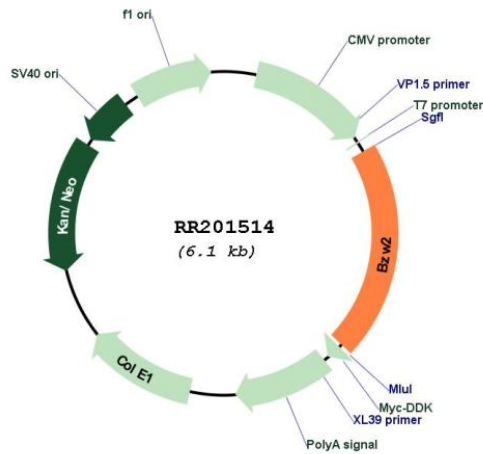
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_134402

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:	<ol style="list-style-type: none">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_134402.3 , NP_599229.1
RefSeq Size:	1445 bp
RefSeq ORF:	1260 bp
Locus ID:	171439
UniProt ID:	Q9WTT7
Cytogenetics:	6q16
MW:	48 kDa
Gene Summary:	may play a role in neural cell growth [RGD, Feb 2006]