

Product datasheet for **RR214134**

Zbtb22 (NM_001009172) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb22 (NM_001009172) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb22
Synonyms:	Bing1; Zfp297; Znf297
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide
Sequence:**

>RR214134 representing NM_001009172
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCATCTCCTATGTCACCCAGTGGGGCCACACTCCCACTGCCTCTGTCACTGGCTCCACCACCAC
 TGCCCTTGCCGGCAGCTGCAGTGGTACACGTGTCTTCCCTGAGGTGACCAGTGCCCTCCTGGAGTCCCT
 CAACCAGCAGCGGCTCCAGGGTCACTCTGCGATGTGTCTATCCGCGTGCAGGGACGGGAGTTCCGTGCT
 CACAGGGCGTCTTGGCTGCCTCCTCTCCTTACTTCCACGACCAGGTCTACTCAAAGGCATGACTTCCA
 TCTCACTGCCAGCGTATGGACCCAGGCGCTTTGAGACTGTCTGGCCTCAGCGTACACGGGCCCGCT
 CAGCATGGCTGCTGCGGACATTGTCAACTTCTCACAGTGGGGTGGTCTCCAGATGTGGCACATTGTG
 GATAAGTGCAGTGAACCTCTCGGGAGGGTCGATCTTCAGCCGCTACTACCACTGTCAGTGTGTCAG
 CCCCCTCTGTCTGTCCCTTGTCCAGTGTCCCATCAGGGAGCGGGGACCGTTGCCCTGCCACTGT
 AGGCTCTGTACGTTCCCATACCTCCAGCCGGGCCAGTGAAGTCACTCTCCAGCAGTAGCAACTACTTC
 AGCCCCGGGAGTCGACTGATTTCTCCTTCTCCCAAGATGCATTTGTGGCCTCAGCAGTGGGTAGTG
 GGAACCGTCGAGATGGTGGCCCCGTGTTCCAGTCCCTGTGGTTGGCAGTGCAGGTACCACCTCTGGGAA
 GTTGCTGCTAGAGGCCGATGAGCTATGTGATGACGGTGGGGATGGGAGAGGGGCGGCCCGCCCTGGGGCT
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 AGATCTGGTGTGACTTGTGAGGATGACGAGGATGAAGACCTGGGGAATGGCTCTGGGGTTCTGCAGGG
 GGAGAGCCCGAGGCTACCCTCAGTATCAGTGACGTTCCGACCTTGACGGAGCCTGCAGAAAAGGGGGAGG
 AACAGGTGAACCTCTGTGAATCCTCCAATGACTTTGGCCCTATGAGGGTGGTGGCGCTGGGGCAGGACT
 TGATGACCTGGAGGCCCCACCCCTTCTCCTATGGCCTCACCCACCTCCACGACCCCTTCTTCCATTG
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 TGTGCAACAAGAAGTTCAAGATGAAACACCACCTGACCGAGCACATGAAGACGCACACAGGCCTCAAGCC
 CTACGAATGCAGTGTCTGCGCAAGAAGTTCATGTGGCGGGACAGTTTCATGCGTACCCGGGGTCACTGT
 GAGCGCCGGCACCGGATGGGCGGGGGCGGCCGCATCGGTACCTGGACCTGGACCGGGGGCACCCACAG
 GGCCAGCACTGCAACCAAGAGGGAGTCTCCGCAGTGGGTGGGGCAGTGGCGATGAGGCGAATTCGGC
 CACACCCCGTCTAATAGGCGTGTCTGGTACCACCCAGCGTGCACAAAGTCGAGATGGATTTCACTGGG
 GGTGGAGGAGCAGCACAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214134 representing NM_001009172
 Red=Cloning site Green=Tags(s)

MEPSPMSPSGATLPLPLSLAPPPLPLPAAAVVHVSFPEVTSALLESLNQQRLQGQLCDVSIQVQREFRA
 HRAVLAASSPYFHDQVLLKGMTSISLPSVMDPGAFETVLASAYTGRLSMAAADIVNFLT VGSVLQMWIIV
 DKCTELLREGRSSAATTTVTAVAAPSVSVPSCASVPSGSGGT VAPATVGSVRSHTSSRAENQSPSSSNYF
 SPRESTD FSSSSQDAFVASAVGSGNRDGGPVFPVVPVGSAGTTSKLLLEADEL CDDGGDGRGAAAPGA
 GLRRPNCLPASAVPQKHVVYVYKRARNCPASLVHQDPDLEDEEEEDLVLTCEDEDEDLGN GSGVPAG
 GEPEATLSISDVRTLTEPAEKGEEQVNFCESSNDFGPYEGGGAGAGLDDPGGPTPSSYGLTHPPRLLPL
 DVPGNQILVFPSSSSQAPGQPPGNTAEHGAVTLGGASAVGLGIPSGSGGTPGGAGNSDGNKIFLCHCGKA
 FSHKSMRDRHVMHLNLRPFDCPVCNKKFKMKHHLTEHMKTHTGLKPYECSVCAKKFMWRDSFMRHRGHC
 ERRHRMGAGGAASVPGPGGAPTGPALQPKRESSAVGGGSGDEANSATPPSNRRVWSPPSVHKVEMDFSG
 GGGAH

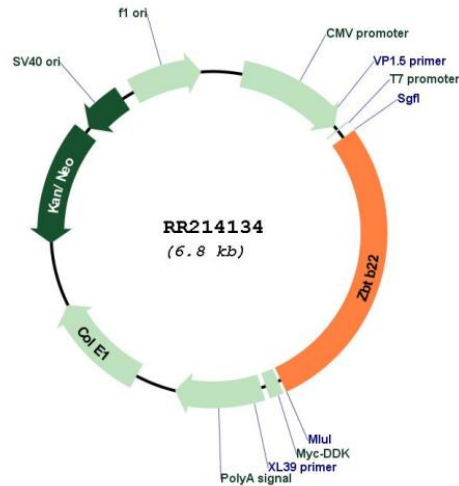
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN:	NM_001009172
ORF Size:	1908 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_001009172.3 , NP_001009172.1

RefSeq Size: 2570 bp
RefSeq ORF: 1911 bp
Locus ID: 309630
Cytogenetics: 20p12
MW: 65.8 kDa