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# Product datasheet for RR206243

## Zbed5 (NM_001105924) Rat Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Zbed5 (NM_001105924) Rat Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Zbed5 |
| **Synonyms:** | RGD1559988; Scand3 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>RR206243 representing NM_001105924
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCACGTGGAAGCCGAATCCGCACTTCTCGTGTGACCCCTCTGGCCGGCCGGGCCCCTCAGATGAGGG
CTGCTCCCAGAAGAGCACCAGCAGCTCAGCCTCCAGCCACAGCTGCCGCCCCATCTGCAGTCGGCTCACC
TGCTGCTGCCCCTCGGCAGCCAGGCCTGATGGCCCAGATGGCTACCACTGCAGCCGGTGTGGCTGTGGGT
TCTGCGGTGGGGCACACCCTGGGTCACGCCATCACTGGGGGCTTCAGCGGAGGGGCTAATGCTGAGCCTG
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CGCCATTTTGAAAGCAAGCATTCGAGCTTCGCCAACAAGGATACCAACTATTTCAGAAGCAAAGCTGATG
GACTCAAGAAAGCCAGATTTGACACTGGCAGCAAGACCTACAAACAGAACGTGGCAGCCGTGGAAGCTTC
CTATTTGGTGGCCCTCAGAATCGCCAGAGATATGAAACCTCACACTTTCGCTGAGCATTTACTGTTCCCA
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CTAACGACACCGTCCGAAGAAGAATCCACGACATGTCTGCTGATATCCTCGATCAGGTAATCCAGGAAAT
TAAATCAGCTCAACTTCCAGCGTTCAGTATCCAGCTCGACGAATCGACAGACGTTGCAAACTGTTCACAG
TTACTGGTTTATGTGAGGTATATTAAAGATGGGGACTTTAAAGATGAGTTTCTTTTCTGCAAACCTCTTG
AAAGGACAACTACTGCCCTTGATGTATTCGAGGCAGTCGGCTCATTTCTGAGACAGCATAAGATCTCCTG
GGAAAGCGTCTGTGGTGTTTGCACAGATGGCGCTCCAGCCACGCTAGGATGTCAATCTGGTTTCCAGCGT
TTGGTCCTAAATGAGTCACCAAAAGCCATTGGAGCTCACTGCATGATGCATCTGCAGACACTAGCAATGA
AGACACTGCCACAGGACTTACAGGACGTCATGAAAAGTGTCCTGAGTTCCGTCAGTTTCATAAAGGCGAG
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CACACTGAAGGGAGATGGCTGTCAAGAGGAAAAGTTCTAAAACGTATTTTTGAGCTTCGTGACGAGCTCA
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AGACAGCACAGGACGAGTTCATCGAGCTTACAAACAGTGATGCGGCGAGAGCCAATTTCTCCACAATGCC
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GAAGTAGGCTTGTCGTGGAAGACGACCTCCGGTGTGCTCTCGCAAAGACTACCCCAAGAATTTCTGATCT
GGTGAGAAAGAAGCAGTCTCAACCCTCACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

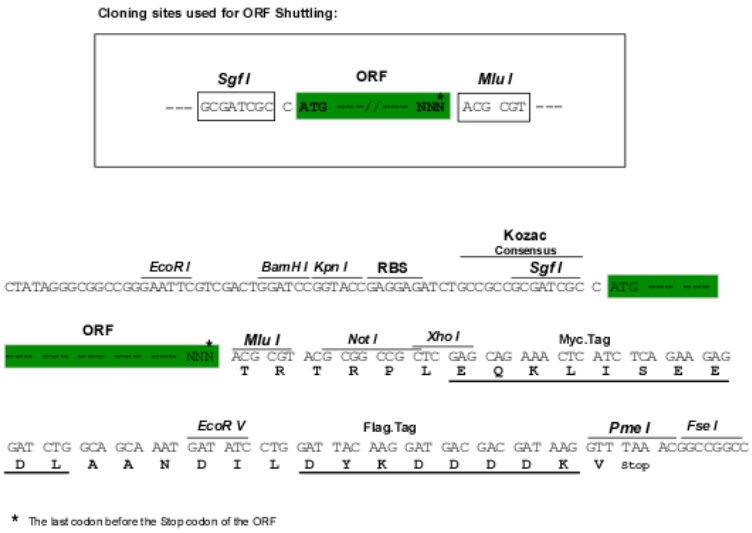
>RR206243 representing NM_001105924
Red=Cloning site Green=Tags(s)

MPRGSRIRTSRVTPLAGRAPQMRAAPRRAPAAQPPATAAAPSAVGSPAAAPRQPGLMAQMATTAAGVAVG
SAVGHTLGHAITGGFSGGANAEPARPDITYQEPQGAPLQNQQSFGPCSLEIKQFLECAQNQSDVKLCEGF
NEVLRQCRIANVDHPPTVDHGEKNVKRRKYNEGFLQYGFTSAITAGTERPQCVICGVVLSAESMKPNKLK
RHFESKHSSFANKDTNYFRSKADGLKKARFDTGSKTYKQNVAAVEASYLVALRIARDMKPHTFAEHLLFP
VAKDSVRVMIGDEFVTKLSAVSLSNDTVRRRIHDMSADILDQVIQEIKSAQLPAFSIQLDESTDVANCSQ
LLVYVRYIKDGDFKDEFLFCKPLERTTTALDVFEAVGSFLRQHKISWESVCGVCTDGAPATLGCQSGFQR
LVLNESPKAIGAHCMMHLQTLAMKTLPQDLQDVMKSVLSSVSFIKASSLNSRLFLQLCSDLDAPSKALLL
HTEGRWLSRGKVLKRIFELRDELKMFFNQKAIRQFEALFSDKSELQKIAYLVDIFTILNELNLSLQGQNS
SCLDLSEKIQSFQMKLQLWQKKLDENKIYMLPTLSAFFEEHDVEPHKRTTVVTSVKEHLDMLAGEISWYF
PNLPDVPFALARNPFTVKAEDVPKTAQDEFIELTNSDAARANFSTMPVTQFWVKCLQSYPILSETVLRLL
LPFATTSLCETGFSSLLVIKSKYRSRLVVEDDLRCALAKTTPRISDLVRKKQSQPSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001105924

**ORF Size:** 2271 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_001105924.1, NP_001099394.1

**RefSeq Size:** 2487 bp

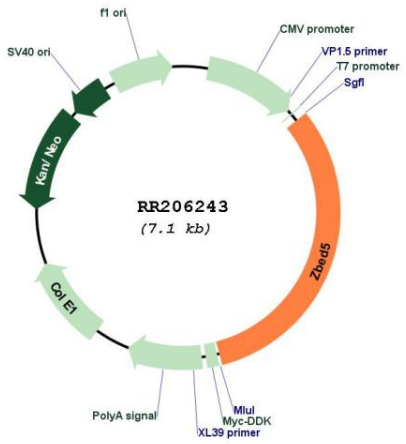
**RefSeq ORF:** 2274 bp

**Locus ID:** 288622

**Cytogenetics:** 12q13

**MW:** 84 kDa

## Product images:




Circular map for RR206243