

Product datasheet for **MC203630**

Zbtb14 (NM_009547) Mouse Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Zbtb14 (NM_009547) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Zbtb14 |
| Synonyms: | b2b1982Clo; ZF5; Zfp161 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |

Fully Sequenced ORF:

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>BC052017
GTGGCCCGTCGCTGGCGGGCACAGCTCAGGGGAGCTTTTGTTTAGGAGAGAATGCTGAGGGCTCGTGCA
TCCGGCGGCTCATTGGCTGCGAAATGCGAATGTGGGCTCCCCACGCGGACTGCGCCCATGTCTTTCG
CGGGGCCCGGATTCCCCACTCCCAAGTTGTGCGGTGCGAACAGGGAAGTGGTGTGGCCGCATTGTGCGC
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TCTGAAGATTTTGGTGTTAAGGCATTAAGAACATAGCCTGAATTGTTTCATGGAGTTTTTTCATCAGTATG
TCTGAAACCATAAAATATAATGATGATGATCATAAAACGCTGTTTCTGAAAACACTGAACGAACAGCGCC
TGGAGGGAGAATTCTGCGACATCGCCATCGTGGTTGAAGATGTAAGTCCGAGCCACCAGGTGTGTCTCT
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AAAAGGAGGACGTCAACTTGATGATGTCGTCCGGCAGATTCTCGGTATCCGGTTTTTGGATAAACTGTG
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CTAAACCGCCCATCGGAGACGCTGCTGATGCTCAGGACGATGATGTGGAAGAAATCGGGGACCAAGATG
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GAACAGTTGCAGGCCGACCCATGGCCGCTGAGGCTGAGCAGCAGCTGGAGACAATTGCCTGTAGCTAGA
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CTTTGACCGCTTTGTGGCAATTTACAGCGTTGTGCTGGCTGGACCTAAGACAGTGGCCACTCCGGTTAGG
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TGATTCTCAAATTTCTCAAGGCAGTTATGTTCTACGTTCTGACCAAACAGTTTGCTTTTTTATCTTTT
GGTTTGTGTGCGTGTGCGTGTGCGTGTGCTAGTATTTCATATCCCAGTAAGCTCCCTAC
CCTTTTATGGTTTTAATTTGAAATCTCTTTGTCTGGTTTAAATGAGTGGCTTCTGTTTCATTCTTA
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GATAACTACTTCAACAAACCATATTTTGGCCCTTGTGTTTTGTATATAAAGATAATGATACACTCAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_009547
- Insert Size:** 1350 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC052017](#), [AAH52017](#)
- RefSeq Size:** 3602 bp
- RefSeq ORF:** 1350 bp

Locus ID: 22666

UniProt ID: [Q08376](#)

Cytogenetics: 17 40.42 cM

Gene Summary: Transcriptional activator of the dopamine transporter (DAT), binding it's promoter at the consensus sequence 5'-CCTGCACAGTTCACGGA-3'. Binds to 5'-d(GCC)(n)-3' trinucleotide repeats in promoter regions and acts as a repressor of the FMR1 gene (By similarity). Transcriptional repressor of MYC and thymidine kinase promoters.[UniProtKB/Swiss-Prot Function]