

Product datasheet for **MC205173**

Dmbx1 (NM_001025567) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dmbx1 (NM_001025567) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dmbx1
Synonyms: Atx; Cdmx; Mbx; Otx3
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC050912
 CGCGGGCCAAGGAGACCAGGCGGATGCCGCCATGCAGCACTATGGGGTGAATGGCTACTCCCTGCACGCT
 ATGAACCTCACTCAGCGCCATGTACAACCTGCACCAGCAGGCAGCCAGCAGGCCAGCACGCCCCGACT
 ACCGGCCATCAGTGCATGCGCTTACGTTGGCTGAGCGCCTAGCTGACATCATCTTGGAGGCCGCTATGG
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CACAAAAAAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_001025567
- Insert Size:** 1131 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: [BC050912](#), [AAH50912](#)

RefSeq Size: 4016 bp

RefSeq ORF: 1131 bp

Locus ID: 140477

UniProt ID: [Q91ZK4](#)

Cytogenetics: 4 53.07 cM

Gene Summary: Functions as a transcriptional repressor. May repress OTX2-mediated transactivation by forming a heterodimer with OTX2 on the P3C (5'-TAATCCGATTA-3') sequence. Required for brain development, neonatal survival, postnatal growth, and nursing ability.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, compared to variant 1. It encodes isoform b, which is shorter than isoform a.