

## Product datasheet for **MR206922**

### **Pbx3 (NM\_016768) Mouse Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Pbx3 (NM\_016768) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Pbx3  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR206922 representing NM\_016768  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGATCAATCCAGGATGCTGCAGACTCTGGCCGGGGTGAACCTGGCCGGCCACTCGGTCCAGGGG  
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CGACATCTCCACCAGATCATGACCATCACCGACCAGAGCTTGGACGAGGCGCAAGCAAAGAAACATGCT  
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GCATCAGAGGAGCCAGGAGGAAGACCTCCCGACCCCAAGCTAATGAGACTGGACAATATGCTTTTGGC  
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR206922 representing NM\_016768  
Red=Cloning site Green=Tags(s)

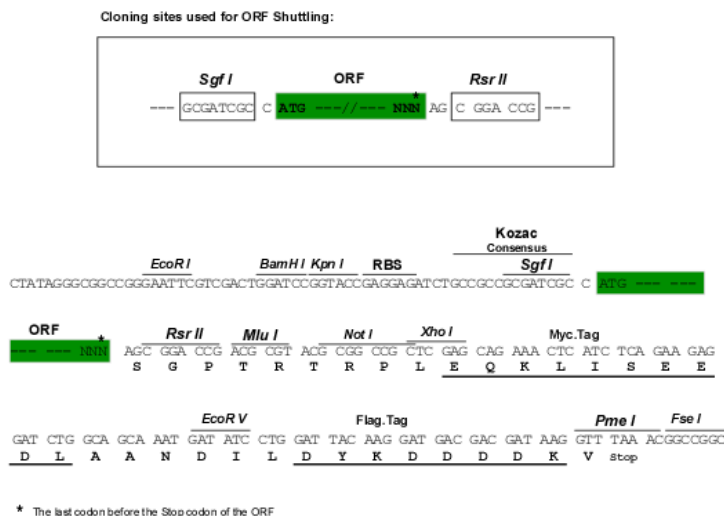
MDDQSRMLQTLAGVNLAGHSVQGGMALPPPHGHEGADGDGRKQDIGDILHQIMTITDQSLDEAQAKKHA  
 LNCHRMKPALF SVLCEIKEKTGLSIRGAQEEDPPDPQLMRLDNMLLAEGVSGPEKGGSSAAAAAASG  
 GSSDNSIEHSDYRAKLTQIRQIYHTELEKYEACNEFTTHVMNLLREQSRTRPISPKIEIRMVGIHRKF  
 SSIQMLKQSTCEAVMILRSRFLDARRKRRNFSKQATEILNEYFYSHLSNPYPSEEAKKELAKKCSITVS  
 QVSNWFGNKIRIRYKKNIGKFQEEANLYAAKTAVTAAHAVA AAVQNNQNTNSPTTPNSGSSGSFNLPSGDM  
 FMNMQSLNGDSYQGSQVGANVQSQVDTLRHVINQTTGGYSDGLGANSLYSPHNLNANGGWQDATTPSSVTS  
 PTEGPGSVHSDTSN

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9076\\_a06.zip](https://cdn.origene.com/chromatograms/mm9076_a06.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_016768

**ORF Size:** 1302 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\\_016768.2](#), [NP\\_058048.1](#)

**RefSeq Size:** 2870 bp

**RefSeq ORF:** 1305 bp

**Locus ID:** 18516

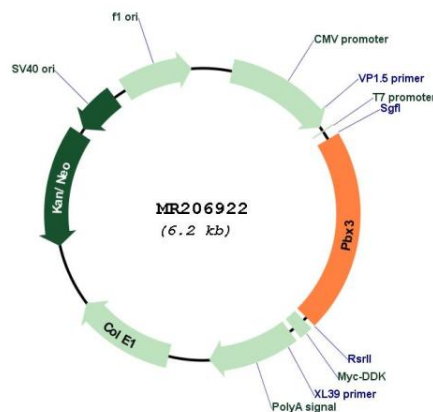
**UniProt ID:** [O35317](#)

**Cytogenetics:** 2 22.84 cM

**MW:** 47.2 kDa

**Gene Summary:** Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206922