

## Product datasheet for **MG206922**

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

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Pbx3 (NM\_016768) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Pbx3  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG206922 representing NM\_016768  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACGATCAATCCAGGATGCTGCAGACTCTGGCCGGGGTGAACCTGGCCGGCCACTCGGTCCAGGGG  
 GTATGGCTCTGCCGCCTCCCCCTCACGGCCACGAAGGGGCGGACGGCGACGGCAGGAAGCAGGACATCGG  
 CGACATCTCCACCAGATCATGACCATCACCGACCAGAGCTTGGACGAGGCGCAAGCAAAGAAACATGCT  
 CTGAACTGTACAGAATGAAACCGGCGCTCTTCAGCGCTTGTGTGAGATCAAAGAGAAAACAGGTCTCA  
 GCATCAGAGGAGCCAGGAGGAAGACCTCCCCACCCAGCTAATGAGACTGGACAATATGCTTTTGGC  
 AGAAGGGGTTTCAGGTCCTGAGAAAGGTGGGGATCGGCCGCGAGCAGCTGCAGCCGCGGCAGCCTCTGGA  
 GGTTCTTCAGATAACTCTATTGAACTCAGATTACAGAGCCAAATTGACCCAGATCAGACAAATCTATC  
 ACACAGAACTGGAGAAATATGAACAGGCATGTAATGAATCACAAACATGTGATGAACCTTCTCCGAGA  
 ACAGAGTAGAACGCGTCCCATTTCGCCGAAAGAGATCGAAAGGATGGTGGGCATCATCCATCGGAAATTT  
 AGTTCCATTGATGCAGCTCAAGCAAAGCACGTGTGAAGCAGTTATGATTTTGAGATCAAGGTTCTTG  
 ATGCCAGACGGAAAAGGCGTAACCTCAGTAAACAGGCTACGAAATCTTGAATGAATATTTTACTCACA  
 CCTCAGCAACCCCTACCCAGTGAAGAAGCCAAAGAGGAGCTGGCCAAGAAATGCAGCATCACAGTATCA  
 CAGGTATCCAACCTGGTTTGGCAACAACGAATCAGGTACAAGAAGAACATCGGCAAAATTTCAAGAGGAGG  
 CCAATCTCTATGCTGCAAAAACAGCCGTGACAGCCGCACATGCAGTGGCTGCAGCCGTGCAGAACAACCA  
 GACCAACTCACCCACCACGCCAAACTCTGGTTCTTCTGTTCTTTAACCTCCAAATTTCTGGGGACATG  
 TTCATGAACATGCAGAGTCTGAATGGGGATTCTTACCAAGGGTCCCAAGTCCGAGCCAATGTGCAGTCA  
 AGGTGGATACCCTCCGTCATGTTATCAATCAGACGGGAGGCTACAGTGCAGGCCTTGGAGCAAACCTCACT  
 GTACAGTCCACATAACTTAAACGCTAATGGAGGCTGGCAGGACGCAACAACCTCCATCTTCTGTGACTTCT  
 CCTACGGAAGGCCCGGCGAGTGTGCACTCGGATACCTCTAAC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

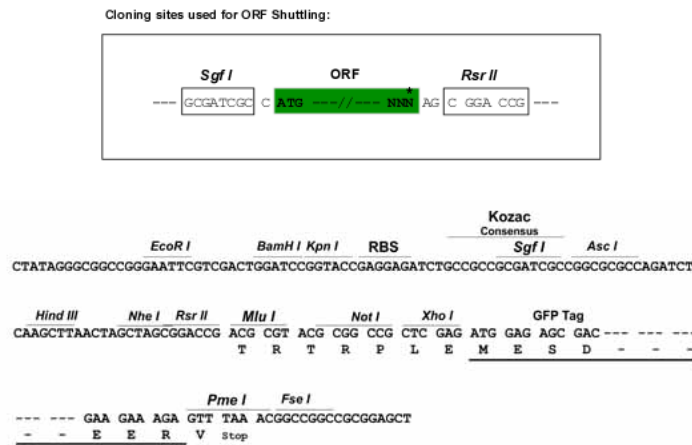
**Protein Sequence:** >MG206922 representing NM\_016768  
 Red=Cloning site Green=Tags(s)

MDDQSRMLQTLAGVNLAGHSVQGGMALPPPHGHEGADGDRKQDIGDILHQIMTITDQSLDEAQAKKHA  
 LNCHRMKPALFVSLCEIKEKTGLSIRGAQEEDPPDPQLMRLDNMLLAEGVSGPEKGGGSAAAAAAAAAASG  
 GSSDNSIEHSDYRAKLQIRQIYHTELEKYEQACNEFTTHVMNLLREQSRTRPISPKEIERMVGIIHRKF  
 SSIQMQLKQSTCEAVMILRSRFLDARRKRRNFQKQATEILNEYFYSHLSNPYPSEEAKKEELAKKCSITVS  
 QVSNWFGNKRIRYKKNIGKFQEEANLYAAKTAVTAAHAVAAAVQNNQNTNSPTTPNSGSSGSFNLPSGDM  
 FMNMQSLNGDSYQGSQVGANVQSVDTLRHVINQTTGGYSDGLGANSLYSPHNLNANGGWQDATTPSSVTS  
 PTEGPGSVHSDTSN

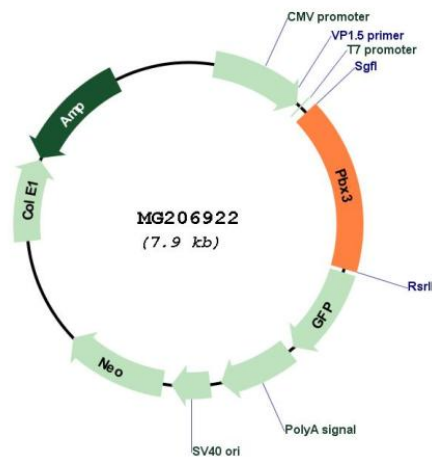
SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_016768
<b>ORF Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016768.2</a> , <a href="#">NP_058048.1</a>
<b>RefSeq Size:</b>	2393 bp
<b>RefSeq ORF:</b>	1305 bp
<b>Locus ID:</b>	18516
<b>UniProt ID:</b>	<a href="#">O35317</a>
<b>Cytogenetics:</b>	2 22.84 cM
<b>Gene Summary:</b>	Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]