

## Product datasheet for **MG206861**

### **Pbx1 (BC058390) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pbx1 (BC058390) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pbx1
Synonyms:	2310056B04Rik; D230003C07Rik; Pbx-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206861 representing BC058390 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGAGCAGCCGAGGCTGATGCATCCACGCTGGGGTCGGGATGGCCGGACACCCCGCCTGTCCC  
AGCACTTCAGGATGGGGCCGAGGGACCGAGGGGAGGGCGGGAGGAAGCAGGACATCGGGGACATTTT  
ACAGCAAATTATGACCATCACAGACCAGAGTTTGGATGAAGCGCAGGCCAGAAAACATGCTTTAACTGC  
CACAGAATGAAGCCTGCCTTGTAAATGTGTGTGAAATCAAAGAAAAACAGTTTGTAGTATTCGGG  
GAGCCCAAGAAGAGGAGCCACAGACCCCGAGCTCATGCGACTGGACAACATGCTGCTAGCAGAAGGGT  
GGCGGGGCTGAGAAGGGCGGAGGCTCGGCAGCGCGCGCGGCAGCGCAGCTTCTGGGGTGCAGGT  
TCAGACAACCTCAGTGGAGCATTCCGACTACAGAGCCAACTCTCACAGATCAGACAAATCTACCACAG  
AGCTGGAGAAGTATGAGCAGGCATGCAATGAATTCACCACCCACGTGATGAACCTCCTTCGAGAGCAAAG  
CCGGACCAGGCCATCTCTCCGAAGGAGATCGAGCGGATGGTGAGCATCATCCACCAGCAAGTTCAGCTCC  
ATCCAGATGCAGCTGAAACAGAGCAGTGCAGGCGGTCATGATCCTGCGCTCCCGGTTCTGGATGCGA  
GGCGGAAGAGACGGAATTTCAACAAGCAAGCCACAGAAATCTGAATGAATTTCTATTCATCTCAG  
CAACCTTACCCAGTGAGGAAGCCAAAGAGGAGTTAGCCAAGAAGTGCGGCATCACAGTCTCCAGGTA  
TCAAACCTGGTTTGAAAT AAGCGAATCCGGTACAAGAAGAACATAGGTAATTTCAAGAGGAAGCCAA  
TTTATGCTGCCAAAACGGCTGTACAGCCACCAATGTGTGACGCCATGGAAGCCAAGCTAACTCGCCCTC  
TACTCCAACTCAGCGGTTCTTCCAGTCTTTTAAACATGTCAAACCTCTGGAGATTTGTTATGAGCGTG  
CAGTCACTCAATGGGATTCTTACCAAGGGGCCAGGTTGGAGCCAACGTGCAATCACAGGTGGATACCC  
TTCGCCATGTTATCAGCCAGACAGGAGGATACAGTGACGGACTCGCAGCCAGTCAGATGTACAGTCCGCA  
GGGCATCAGTGCTAATGGAGTTGGCAGGATGCTACTACCCCTTCATCAGTGACCTCCCCTACAGAAGGC  
CCTGGCAGTGTTCACTCTGATACCTCCAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG206861 representing BC058390  
 Red=Cloning site Green=Tags(s)

MDEQPRLMHSHAGVGMAGHPGLSQHLQDGAGGTEGEGGRKQDIGDILQQIMTITDQSLDEAQARKHALNC  
 HRMKPALFNVLCEIKEKTVLSIRGAQEEPTDPLMRLDNMLLAEGVAGPEKGGGSAASAAAAAASGGAG  
 SDNSVEHSDYRAKLSQIRQIYHTELEKEYEQACNEFTTHVMNLLREQSRTRPISPKEIERMVSIIHRKFSS  
 IQMQLKQSTCEAVMILRSRFLDARRKRRNFNKQATEILNEYFYSHLSNPYPSEEAKEELAKKCGITVSVQV  
 SNWFGNKRIRYKKNIGKFQEEANIYAAKTAVTATNVSAHGSQANSPSTPNSAGSSSSFNMSNSGDLFMSV  
 QSLNGDSYQGAQVGANVQSQVDTLRHVSIQTGGYSDGLAASQMYSPQGISANGGWQDATTSSVTSPTTEG  
 PGSVHSDTSN

TRTRPLE - GFP Tag - V

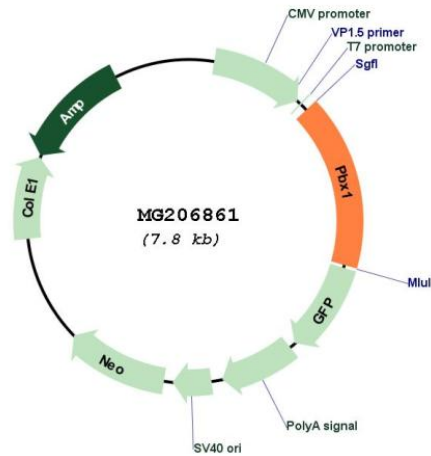
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC058390

<b>ORF Size:</b>	1292 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="#">BC058390</a> , <a href="#">AAH58390</a>
<b>RefSeq Size:</b>	2103 bp
<b>RefSeq ORF:</b>	1292 bp
<b>Locus ID:</b>	18514
<b>Cytogenetics:</b>	1 75.95 cM
<b>Gene Summary:</b>	This gene encodes a homeobox protein that belongs to the three-amino-acid loop extension/Pre-B cell leukemia transcription factor (TALE/PBX) family of proteins. The encoded protein is involved in several biological processes during embryogenesis including steroidogenesis, sexual development and the maintenance of hematopoietic stem cells. This protein functions in the development of several organ systems and plays a role in skeletal patterning and programming. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]