

## Product datasheet for MR229402

### Pbx1 (NM\_001291508) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pbx1 (NM_001291508) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pbx1
Synonyms:	2310056B04Rik; D230003C07Rik; Pbx; Pbx-; Pbx-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229402 representing NM_001291508 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGAGCAGCCGAGGCTGATGCATCCACGCTGGGGTCGGGATGGCCGGACACCCCGCCTGTCCC  
AGCACTTCAGGATGGGGCCGAGGGACCGAGGGGAGGGCGGGAGGAAGCAGGACATCGGGACATTTT  
ACAGCAAATTATGACCATCACAGACCAGAGTTTGGATGAAGCGCAGGCCAGAAAACATGCTTTAACTGC  
CACAGAATGAAGCCTGCCTTGTAAATGTGTTGTGAAATCAAAGAAAAACAGTTTTGAGTATTCGGG  
GAGCCCAAGAAGAGGAGCCACAGACCCCGAGCTCATGCGACTGGACAACATGCTGCTAGCAGAAGGGT  
GGCGGGGCTGAGAAGGGCGGAGGCTCGGCAGCGCGCGCGGCAGCGGCACTTCTGGGGTGCAGGT  
TCAGACAACCTCAGTGGAGCATTCCGACTACAGAGCCAACTCTCACAGATCAGACAAATCTACCACAG  
AGCTGGAGAAGTATGAGCAGGCATGCAATGAATTCACCACCCACGTGATGAACCTCCTTCGAGAGCAAAG  
CCGGACCAGGCCATCTCTCCGAAGGAGATCGAGCGGATGGTGAAGCATCATCCACCAGCAAGTTACAGTCC  
ATCCAGATGCAGCTGAAACAGAGCAGTGCAGGCGGTCATGATCCTGCGCTCCCGGTTCTGGATGCGA  
GGCGGAAGAGACGGAATTTCAACAAGCAAGCCACAGAAATCTGAATGAATTTCTATTCCCATCTCAG  
CAACCTTACCCAGTGAGGAAGCCAAAGAGGAGTTAGCCAAGAAGTGCGGCATCACAGTCTCCAGGTA  
TCAAATGGTTTGAAATAGCGAATCCGGTACAAGAAGAACATAGGTAATTTCAAGAGGAAGCCAA  
TTTATGCTGCCAAAACGGCTGTCACAGCCACCAATGTGTGACCCATGGAAGCCAAAGCTAACTCGCCCTC  
TACTCCAACTCAGCGGGTGGATACCCTTCGCCATGTTATCAGCCAGACAGGAGGATACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001291508.1](#), [NP\\_001278437.1](#)

**RefSeq Size:** 7050 bp

**RefSeq ORF:** 1044 bp

**Locus ID:** 18514

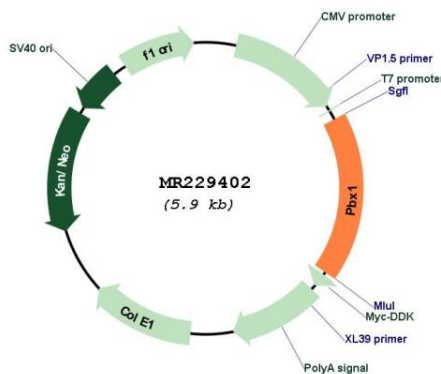
**UniProt ID:** [P41778](#)

**Cytogenetics:** 1 75.95 cM

**MW:** 38.4 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR229402