

Product datasheet for **MC227221**

Pbx3 (NM_001290576) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pbx3 (NM_001290576) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pbx3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227221 representing NM_001290576 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGACGATCAATCCAGGATGCTGCAGACTCTGGCCGGGGTGAACCTGGCCGGCCACTCGGTCCAGGGG
GTATGGCTCTGCCGCTCCCCCTCACGGCCACGAAGGGCGGACGGCGACGCGCAGGAAGCAGGACATCGG
CGACATCTCCACCAGATCATGACCATCACCGACCAGAGCTTGGACGAGGCGCAAGCAAAGAAACATGCT
CTGAACTGTCACAGAATGAAACCGCGCTCTTCAGCGTCTTGTGTGAGATCAAAGAGAAAACAGGTCTCA
GCATCAGAGGAGCCAGGAGGAAGACCTCCCCACCCAGCTAATGAGACTGGACAATATGCTTTTGGC
AGAAGGGTTCAGGTCTGAGAAAGTGGGGATCGGCGGCAGCAGCTGCAGCCGCGGCAGCCTCTGGA
GGTTCTTCAGATAACTCTATTGAACACTCAGATTACAGAGCCAAATTGACCCAGATCAGACAAATCTATC
ACACAGAACTGGAGAAATATGAACAGGCATGTAATGAATTCACAACACATGTGATGAACCTTCTCCGAGA
ACAGAGTAGAACGCGTCCCATTCCCCGAAAGAGATCGAAAGGATGGTGGGCATCATCCATCGGAAATTT
AGTTCATTTCAGATGCAGCTCAAGCAAAGCACGTGTAAGCAGTTATGATTTTGAGATCAAGGTTCTTG
ATGCCAGACGGAAAAGGCGTAATTCAGTAAACAGGCTACGGAATCTTGAATGAATATTTTTACTCACA
CCTCAGCAACCCCTACCCAGTGAAGAAGCCAAAGAGGAGCTGGCCAAGAAATGCAGCATTACAGTATCA
CAGGTATCCAACCTGGTTTGGCAACAAACGAATCAGGTACAAGAAGAACATCGGCAAAATTTCAAGAGGAGG
CCAATCTCTATGCTGCAAAAACAGCCGTGACAGCCGCACATGCAGTGGCTGCAGCCGTGCAGAACAACCA
GACCAACTCACCCACCACGCCAAACTCTGGTGGATACCCTCCGTATGTTATCAATCAGACGGGAGGCTA
CAG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001290576
Insert Size:	1056 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001290576.1, NP_001277505.1</u>
RefSeq Size:	2757 bp
RefSeq ORF:	1056 bp
Locus ID:	18516
UniProt ID:	<u>O35317</u>
Cytogenetics:	2 22.84 cM
Gene Summary:	<p>Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (b) lacks an alternate exon that results in a frameshift in the 3' coding region, compared to variant a. The encoded isoform (PBX3b) has a distinct C-terminus and is shorter than isoform PBX3a.</p>