

Product datasheet for **MC201669**

Pbxip1 (NM_146131) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pbxip1 (NM_146131) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pbxip1
Synonyms:	4732463H20Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027771 sequence for NM_146131
 CCACGCGTCCGAGTTAAGCTGAAGACTGAAGCGAGGAGCTGGGTGAGTGGCCACTCTAGCTGCACTGGA
 CCTCCACAACATATGGCCTCCTGCCAGACTCAGATAATAGCTGGGTGCTCGCTGGTTCTGAGAATCTGCC
 TGTGGAGACTCTGGGCCAGAACCCAGGATGGACCCAGAATCTGAGGGAGCCTCCAGGCCCTTCGGGAC
 TCCTCCAAGGCAGATGGCAAAGAATTAGCTGGGACCTTGATGGAGAAGAGAAGCTTTCCAGACGGAAA
 GTTCCCAGAGAGAAACTGCTGTTCTGACAGAGTCTGCGCCAAGGGCACTCTGGGAGCCGATGGTCATGG
 GACGGAGGCCCTGGAGACACAGTGGTCCAGGAAGATTCCAGGAGACTCCTGTGGCGAGCAGCCTCGGA
 CCAGACACACAGGACCTGGAGAGTGAGATCCATCCACAGAACTTACCCTCCAGTCCAGAGCAGTTTGA
 AAGAGCATCGCTGCTCCAGCAGTGACGACGACACTGATGTAGATGTGGAGGTCTGCGGAGACGGAGGGG
 CCGGGAGCCAGCTCATCCAGCCCGTGGTACCCGTAGATGTGGAGGACCAGGCCAAGGGCGAGGGTATA
 GGTGGAGAGCTGGGCATCTCCCTCAACATGTGTTTCTGGGGCCCTGGTTCTTCTGGGCCTGGGGATCC
 TCCTGTTCTCTGGTACACTGCTGGAGCCCGAGACTGGGCCATGGAGGAAGCCGAGTTGCAGGTCTTTCC
 AGAAACCCGGCCGAGACTGAACTGGTAGAGACTCTGGGAACAGGCAGGATGAGATAGAGCACCTGCAG
 GCTTCAAGTGTCCACCAGACAGTGTCCCAGCCTGCAGAGCATGGGTTTCTGTGGACAAGCTGGCCA
 AGGAGAACCAGGATATCCGGCTGCTGCAGGCTCAGCTACAGGCTCAGAAAGAAGAACTTCAGAGCCTGTT
 GCACCAGCCAAAGGGCTGGAGGAGGAGAATGCCCGCTCCGGGAAGCCCTGCAGAGGGCAAGACCTCC
 CACCAGGCCCTAGAATCAGAACTGCAGCAGCTAAGGGCCCGACTCCAAGGGCTAGAGGCTAACTGTGTCC
 GGGGTGTAGATGGGGTGTGTCTCAACTGGGGTGGAGATCCACAGGATGGCAAGGCCACTAAAGAACAAGG
 CCACAAGGGGCAGGAGCCAGACCCAGCTTATTGGAGCAGCATAAAGCAGCTTGAGGCGGAGGGCAAGGCC
 CTAAGGCAGGAGCTGCAGAGACAGTGGCAGCTGCTGGGGTCTGTGCACTGGGACCTGCAGAGGGGCTTGC
 GGGATGCTGGCCGGGAGCCCGACTCACCTGGCCTGGTGAACCTCGGTACATGTTGGCCAGACACT
 GCAGGACCTCGAATCAGGGTATCAACTGGCAGTCCCAATGACTCGGAGCCTGGCACCAGAAG
 AAGCCTCACACCCAGAGTCCCAGGGAGTGGGGTGGGAAGGAGAAGTGGCGCGTGGCAGAGGGATCAGA
 AGGCTGAGCACTGGAAGCCGAGGAAGGAGGAGTCTGGCCAGGAGAGGCAAGGAGCTGGAGGGATGAGGG
 CCGGGAGCACTGGGCGCTGGAGGGAGGACAGACTGCGGGCGGACGAATCTGGGAGCAGAAAGGACAGC
 AAGCGACAGGACCCCAAGGTACACCCTAGGAAAGATGGGAACTCCATTCTGTAGAAAGGCAGAAGCATT
 CTTGGGGAAAGACAACAGCCCTGACGCCCTGTCTCCTGGGAGGAGCTGCTGAGGCGCAAGTACCGACC
 CCCTCAGGGCTGTTAGGTGTGGCCGACTGTGCCCGCAGGAGGGCCTGGCCCTTTTGGTGTGGAGCTG
 GCCCTGTGCGGCAGCAGGAGCTGGCCTCTGTGCTGAGAGAATACTTGTCTCGGTGCCCTGGGCCGGGC
 AGCTGACCAAACAGCTGCCCTCTCACCTGCTTACTTTGGAGAAGATGGCATCTTCAGGCATGACCGGCT
 TCGCTTACAGATTTTGTGGATGCCTTGGAGGACAGCCTGGAGGAGGTGGCACTGAAACAGACAGCGGAC
 GATGATGAAGTGGATGACTTTGAGGACTTTGTCTTCGGCACTTCTTTGGGGACAAGGCCCTGAAGAAGA
 GGTACAGAAAGAAGGAGAAGCACTCCTGGAACCCAGAGTTGTGGGGCCAGGGAAGAGCACAGCCGCCA
 TCCGCACCACTACCACCAAGGCTGAGCCCTGTCTGCTGCAACAGCCGGCCTTGGCATGCACCCAGCTCA
 AGATGCCTGGAGTTATGTGACCCTAGCAGCTATGCTCCCACTGTCCAGCGGGCCCTCCTGGCTCGTTGG
 TGCCCTTGAAATGACCTTCACAGAAGAGAGCAACGCACTTGGCCCTGCACTGGTACCCTTTTGTCTAAAAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146131

Insert Size: 2184 bp

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).

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: [BC027771](#), [AAH27771](#)

RefSeq Size: 2463 bp

RefSeq ORF: 2184 bp

Locus ID: 229534

UniProt ID: [Q3TVI8](#)

Cytogenetics: 3 F1

Gene Summary: Regulator of pre-B-cell leukemia transcription factors (BPXs) function. Inhibits the binding of PBX1-HOX complex to DNA and blocks the transcriptional activity of E2A-PBX1. Tethers estrogen receptor-alpha (ESR1) to microtubules and allows them to influence estrogen receptors-alpha signaling (By similarity).[UniProtKB/Swiss-Prot Function]