

Product datasheet for **RN203865**

Pbxip1 (NM_001100976) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pbxip1 (NM_001100976) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pbxip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203865 representing NM_001100976
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCTGCCGGACTCAGATAATAGCTGGGTGCTTCTGGCTCTGAGACTCTCCCTGTAGAGACTC
 TGGCCCCGAGTCCAGGGTGGACCCAGAATCAGAAGAAGCCCCAGGCCCTTCAGGACTCTCCAAGGC
 AGATGGCAAAGAATCAGCTGGGACCTTGAATGGAGAAGAGATGCTTTCCAGACGGAAAGTTCCAGGGC
 GAAGGTGCTGCGCTGCCAGAAGAGTCTGAGGCCAAGGGTCTCTGGGTGGTATGACGGTATGGGACGA
 AGCGCCCAGGAGACACAGCGTCCAGGAAGATTGACAGGAGACTCCTATGGTGACAAGCCTTGGACCAGA
 CACACAGGACTGGAGAGAAATATCCACCACAGAACCCTGCCCTCAAGTCCAGAGCAGTTTGGAAAGAG
 CATGGCTGCTCTAGCAGTATGATGACTGATGTAGATGTGGAGGGTCTTCGGAGACGGAGGGGCCGAG
 AGCCTAGCCCACCCAGCCACGGCAGCTGTGGATGGAGAGGACCAGGCCAAGGGCGAGGGTATAGGAGA
 GCTGGGCATCTCTCAACATGTGTTTCTGGGGCCCTGGTTCTCTGGCCTGGGGATCTCCTGTTT
 TCTGGCGCACTGCTGGAGCCGAGACTGAGCCCTGGAGGAAGCCGAATTGCAGGCTTTCCAGAGACTG
 AGCTGGTACAGACCGTGGGAACAGGCAGGATGAGGTAGAGCAGCTGCAGGCCTCAGTACCACCTGACAG
 TGTCCCCAGCCTGCAGAGCATGGGGCTTCTGCTGGACAAGCTGGCCAAGGAGAACCAGGATATCCGGCTG
 TTGAGGCTCAGCTGCAGGCTCAGAAAGAAGAGCTTCAGAGCCTGTTGCACCAGCCCAAAGGGCTGGAAG
 AGGAGAATGCCCGGCTCCGGGAAGCCCTGCAGCAGGGCAAGACCTCCACCAGGCCCTAGAGTCAGAACT
 GCAGCAGTAAGGGCCGACTCCAAGGGCTTGAAGCTAACTGTGTCCGGGTGTGGATGGGGTGTGTCTC
 AACTGGGGTGAAGTCCACAGGGTGGCAAGGCCACTACAGAACAAGGCCACAAGGGCAGGAACCCAGACA
 CCAGCTTATTGGAGCAGCATAAGCAGCTTGAGGCCGAGGCCAAGGCCCTAAGGCAGGAGCTGCAGAAACA
 GTGGCAGCTGTTGGGCTCTGTGCACCGCAACCTGCAGAGGGGCTTCAGAGATGCCGGCCAAGGAGCCCA
 GCTCACGCTGGCCTGGCTGAACCTGGTCACTGCTGGCTCAGACACTGCAGGGCCTAGAGAGTCAAGGTA
 TTAACACTGGCAGATCTTCCAATGACTCCGAGGCTGGCACCAGAAGAAGCCTCGCTTCCAGCATCCAG
 GGAGTGGAGTGGGAGGGAGAAGTGGCGTGGGGGCGAGGGATCAGAAGGCTGAGCACTGGAAGCTGAAG
 AAGGAGGAATCTGGCCAGGACAGGAAGAAGAGCTGGAGGGATGAGGGCAGGGAATTCACGGGGCACTGGA
 AGGAGAACAGGCCAGGGCGGAAGAATCGGGGAGCAGAAAGGACAGCAAGCGACAGGACCCCAAGGTACA
 CCCTAGGAAAAGTGGGAACCTCCACTCTGGGAAAGGCAGAAGCATTCTGGGGAAAGACAACAGCCCT
 GACTCTGTGCTCTGGGAGGAGCTGCTAAGGCGCAAGTACCGCCCTCAGGGCTGTTCAAGCGTGGCCG
 ACTGTGCCCGGACAGGAGGCTGGCCCTCTTGGTGTGGAGCTGGCCCTGTGCGGCAGCAGGAGCTGGC
 CTCTGTGCTGAGGGAATACTTGGCTCGGCTGCCCTGGGCCGACAGCTAACCAAAGAGCTGCCCTCTCA
 CCTGCTTACTTTGGAGAAGATGGCATCTTCAGGCATGACCGCCTTCGCTTCAAGGATTTTGTGGATGCC
 TGGAGGACAGCCTGGAGGAGTGGCACTGAAACAACGGGTGACGATGATGAAGTGGATGACTTTGAGGA
 CTTTCATCTTCAGCCACTCTTTGGAGACAAGGCACTGAAGAGGAGGTCAAAGAAGAAGGAGAAGCAGCCT
 TGAACCACAGAGCTGTGGGGCCAGGGAAGAGCACAGCCGCCATCCCCACCACTACCACCAAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001100976

Insert Size: 2169 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:	<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_001100976.1</u> , <u>NP_001094446.1</u>
RefSeq Size:	3000 bp
RefSeq ORF:	2169 bp
Locus ID:	310644
UniProt ID:	<u>A2VD12</u>
Cytogenetics:	2q34
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]