

## Product datasheet for **SC113091**

### **PBXIP1 (NM\_020524) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PBXIP1 (NM_020524) Human Untagged Clone
Tag:	Tag Free
Symbol:	PBXIP1
Synonyms:	HPIP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_020524, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCCTGCCAGACTCTGATAATAGCTGGGTGCTTGTCTGGCTCCGAGAGCCTGCCAGTGGAGACAC
TGGGCCCGGCATCCAGGATGGACCCAGAATCTGAGAGAGCCCTGCAGGCCCTCACAGCCCCTCCAAGAC
AGATGGGAAAGAATTAGCTGGGACCATGGATGGAGAAGGGACGCTCTCCAGACTGAAAGCCCTCAGTCT
GGCAGCATTCTAACAGAGGAGACTGAGGTCAAGGGCACCCCTGGAAGGTGATGTTTGTGGTGTGGAGCCTC
CTGGCCCAGGAGACACAGTAGTCCAGGGAGACCTGCAGGAGACCACCGTGGTGACAGGCCTGGGACCAGA
CACACAGGACCTGGAAGGCCAGAGCCCTCCACAGAGCCTGCCTTCAACCCCAAAGCAGCTTGGATCAGG
GAGGAGGGCCGCTGCTCCAGCAGTGACGATGACACCGACGTGGACATGGAGGGTCTGCGGAGACGGCGGG
GCCGGGAGGCCGCCACCTCAGCCCATGGTGCCCTGGCTGTGGAGAACCAGGCTGGGGGTGAGGGTGC
AGGCGGGGAGCTGGGCATCTCCCTCAACATGTGCCTCCTTGGGGCCCTGGTTCTGCTTGGCTGGGGTGC
CTCCTCTTCTCAGGTGGCTCTCAGAGTCTGAGACTGGGCCATGGAGGAAGTGGAGCGGCAGGTCTCC
CAGACCCCGAGGTGCTGGAAGCTGTGGGGACAGGCAGGATGGGTAAGGGAACAGCTGCAGGCCCACT
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GACATCCGGCTGCTGCAGGCCAGCTGCAGGCCAAAAGGAAGAGCTTCAGAGCCTGATGCACCAGCCCA
AAGGGCTAGAGGAGGAGAATGCCAGCTCCGGGGGCTCTGCAGCAGGGCGAAGCCTTCCAGCGGCTCT
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GTTAGAGAGGCAGCGACGGCTGCTGGGGTGTGTACAGCAGGATCTGGAGAGGAGCTTGCAGGATGCCAGC
CGCGGGGACCCAGCTCATGTGGCTTGGCTGAGCTGGGCCACAGATTGGCCCAAACTGCAGGGCCTGG
AGAACTGGGGCCAGGACCCTGGGGTCTCTGCCAATGCCTCAAAGCCTGGCACCAAGTCCCACTTCCA
GAATTCTAGGGAGTGGAGTGGAAAGGAAAAGTGGTGGGATGGGCAGAGAGACCGGAAGGCTGAGCACTGG
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CAGGAAGGTGGAAGGAGGGCAGGCCAAGGGTGGAGGAGTCCGGGAGCAAGAAGGAGGGCAAGCGACAGGG
CCCGAAGGAACCCCAAGGAAAAGTGGTAGCTTCCACTCCTCTGGAGAAAAGCAGAAGCAACCTCGGTGG
AGGGAAGGGACTAAGGACAGCCATGACCCCTGCCATCCTGGGCAGAGCTGTTGAGGCCAAGTACCGGG
CACCCAGGGCTGCTCAGGTGTGGACGAGTGTGCCCGGCAGGAGGGCCTGACTTTCTTTGGCACAGAGCT
AGCCCCAGTGCAGCAACAGGAGCTGGCCTCTCTGCTAAGAACATACTTGGCACGGCTGCCCTGGGCTGGG
CAGCTGACCAAGGAGTACCCCTCTCACCTGCTTTCTTTGGTGAGGATGGCATCTTCCGTCATGACCGCC
TCCGCTTCCGGGATTTTGTGGATGCCCTGGAGGACAGCTTGGAGGAGGTGGCTGTGCAACAGACAGGTGA
TGATGATGAAGTAGATGACTTTGAGGACTTCATCTTCAGCCACTTCTTTGGAGACAAAGCACTGAAGAAG
AGGTCAGGGAAGAAGGACAAGCACTCACAGAGCCCAAGAGCTGCGGGGCCAGGGAGGGGCACAGCCATA
GCCACCACCACCACCGGGGCTGA
```

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_020524 unedited  GGTACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCAACAAGTTAA  GCTGAAGACCGAAGCAAGAGCTGGTTTCAGGTGGCAGCCACAGCAGCCTCAGGGACCTCAG  CAACTATGGCCTCCTGCCAGACTCTGATAATAGCTGGGTGCTTGGCTCCGAGAGCC  TGCCAGTGGAGACACTGGGCCCGCATCCAGGATGGACCCAGAATCTGAGAGAGCCCTGC  AGGCCCCACAGCCCCCTCCAAGACAGATGGGAAAGAATTAGCTGGGACCATGGATGGAG  AAGGGACGCTCTCCAGACTGAAAGCCCTCAGTCTGGCAGCATTCTAACAGAGGAGACTG  AGGTCAAGGGCACCTGGAAGGTGATGTTTGTGGTGTGGAGCCTCTGGCCAGGAGACA  CAGTAGTCCAGGGAGACCTGCAGGAGACACCCTGGTGCAGGCCTGGGACCAGACACAC  AGGACCTGGAAGGCCAGAGCCCTCCACAGAGCCTGCCTTCAACCCCAAAGCAGCTTGGGA  TCAGGGAGGAGGGCCGCTGCTCCAGCAGTGACGATGACACCGACGTGGACATGGAGGGTC  TGCGGAGACGGCGGNGCCCGAGGGCCGCCACCTCAGCCATGGTGGCCCTGGCTGTGG  AGAAACCAGGCTGGGGTGAAGGTGCANGCGNGAGCTGGGCATCTCCCTCACATGTGCCT  NCTTGGNGCCCTGGTTCTGCTTGGCCTGNGGGTCTNCTTCTCAGGTGGCCTCTCAA  GTCTGAAACTGGGCCATGGAGGAAAGTGGAGCGCAAGTCTCCCAAGACCCGCAAGTG  CCTGAAACTTGTGGGAACANGCCAGATGGGCTTAAAGGAACAGCTGCAGGCCCCAGTGGCT  CCTGCAAGTGTCCCCACCCTGAAAACATGTG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020524 unedited  NTTCTGGCTTTTTTAACTTCCCCACCCTTCTCGCCTTTTTTGAGGATAAGAAACCC  AAAGTTCCAGAGATTAAGTTCGCCAAGATCACTTGGCCTGGATTGAGCCTGAGGCTCA  GACTCCAAAACCCACACTCAATTTGCTACATCTCCAGGGGTGGGGCCAAGGCAGCTGTG  AGCAAAAGGAGAAGTATCAGCTTCTCAAGGCCTAGGGTTTGTGGAAAGGCAAGGCAAG  GGCAAAGGGGGATACAGAACAAAGGGGGCAAGTACCAGTGCCTGGGATGGACCCATCCATT  CAGGCAGGGGGTGTGGGGTGTCCCTGTGCTTAGAAACCACCTAGCATCATAGCTGCAAC  AGCACTTTATTGGGATCTGAGTCTACAGTTCACATAGGGAGGTGAAGCCGTGGGAGAAGC  AGGGGTAAAAAAAAAAGGGGGGGGACTTACCCCTAGGGACAGCTGCTTCCAAACCT  AACAAAACCCAGGGTAAGTCTCGTGTGGCCCTCGAGCCAGCAACTCTAGTCAAATCC  CAAGGCACCGTCAAGTGTGGGTCAAGGGGCCCACTATGGGGACATACACTCAAGAGGA  TGAAAGCTTTAGCTTCAAGATCAGATTGCCTTCCCCAGACCCACCCAAAACAGGCT  CCTCTCCCATCTCCCCCTTACAGTGACAAAACAAGCCACATCCAGGGCCTGGAGT  ATTTGCATGCATTTGCATAGACGCAACGCANGTCCAGCTAAGGCCTTTTTCTACATAAA  GTGACATCAGTGCAGGGCTGGTATTTTGTCTACTGTGTGAAAGATATCTGAGGACACC  AAACAAGCCAGGACAGAGTCCACCCTTNCAGAGTTAGATACGCTGGGATCTTGGGCTGGG  CCAGCCNANGGNCATTTCTGNGGGCAAGGTGTCAGCCCCG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020524
<b>Insert Size:</b>	3420 bp
<b>OTI Disclaimer:</b>	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).
<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).

**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\\_020524.2](#), [NP\\_065385.2](#)

**RefSeq Size:** 3213 bp

**RefSeq ORF:** 2196 bp

**Locus ID:** 57326

**UniProt ID:** [Q96AQ6](#)

**Cytogenetics:** 1q21.3

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene interacts with the PBX1 homeodomain protein, inhibiting its transcriptional activation potential by preventing its binding to DNA. The encoded protein, which is primarily cytosolic but can shuttle to the nucleus, also can interact with estrogen receptors alpha and beta and promote the proliferation of breast cancer, brain tumors, and lung cancer. Several transcript variants encoding different isoforms have been found for this gene. More variants exist, but their full-length natures have yet to be determined. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).