

Product datasheet for **SC305251**

PBX4 (NM_025245) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PBX4 (NM_025245) Human Untagged Clone
 Tag: Tag Free
 Symbol: PBX4
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >SC305251 representing NM_025245.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCCCCGCGCCCGCCCGCCATCGCCCCCGCCCGCGCCCTCGACACGAGCGACGTCTCTG
CAGCAGATCATGGCCATCACCGACCAGAGCCTGGACGAGGCACAGGCCAGAAAGCATGCTCTGAATTGC
CATCGGATGAAGCCTGCTCTGTTGAGCGTGTCTGTGAGATCAAGGAAAAGACAGTGGTAAGCATCCGT
GGCATTCAAGACGAAGATCCCCCTGACGCCAGCTCCTGAGGCTGGATAACATGCTGCTGGCTGAGGGC
GTGTGCAGGCCCGAGAAGAGAGGAAGAGGAGGAGCGGTGGCCAGGGCCGGCACAGCAACACCAGGTGGC
TGTCCAAATGACAATAGCATTGAGCACTCTGACTACAGGGCCAAGCTGTCCAGATCCGACAGATTTAC
CACTCTGAGCTAGAGAAAATATGAACAGGCCTGTGCTGAGTTACCCACGCAGTCAACCAACCTCCTCCAG
GAGCAGAGCAGGATGAGGCCTGTCTCCCTAAGGAGATTGAGCGCATGGTCGGCGCCATTACGGCAAG
TTCAGCGCCATCCAGATGCAGTTGAAGCAGAGCACCTGTGAGGCAGTGATGACCCTGCGTTCGCGGCTG
CTCGATGCCAGGCGCAAGCGCGGAATTTAGCAAGCAGGCGACGGAAGTGTGAATGAGTATTTTTAC
TCCCATCTGAACAACCTTACCCAGCGAAGAAGCCAAAGAAGAGCTGGCCAGGAAGGGCGGCTCACC
ATCTCCAGGTCTCTAACTGGTTTGGCAACAAAAGAAATCCGGTATAAAAAGAACATGGGGAAGTTTCAA
GAAGAGGCTACCATTTACACGGTAAAACGGCTGTGGATACCACGGAAGTTGGGGTCCCAGGGAACAC
GCCAGTGCCTGTCAACACCTAGCTCCGGCTCCTCTGGACCTTCCCGCTGCCAGCGCTGGGACGCC
TTCTCACCCTGCGGACTCTGGCCTCTCTCCAGCCTCCTCTGGGGAGGCTGCCTGCAGTCCCAGGCC
CAGGGTAGCTGGCAGGGGCCACCCCCAACCTGCAACTGCCTACCTGTGAGACCCTGGCAGCATC
AACTCCAGTACATCTAATTAACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI
 ACCN: NM_025245



Insert Size:	1125 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_025245.2
RefSeq Size:	1747 bp
RefSeq ORF:	1125 bp
Locus ID:	80714
UniProt ID:	Q9BYU1
Cytogenetics:	19p13.11
Protein Families:	Transcription Factors
MW:	40.9 kDa
Gene Summary:	<p>This gene encodes a member of the pre-B cell leukemia transcription factor family. These proteins are homeobox proteins that play critical roles in embryonic development and cellular differentiation both as Hox cofactors and through Hox-independent pathways. The encoded protein contains a homeobox DNA-binding domain, but specific functions of the protein have not been determined. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and is protein-coding.</p>