

## Product datasheet for SC122251

### PITX1 (BC003685) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PITX1 (BC003685) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PITX1  
**Synonyms:** BFT; CCF; LBNBG; POTX; PTX1  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for BC003685 edited  
 CTGGGGACTTCGAGGCGGCCGAGACGGGAGTTGATTCTAGGCCAAACAAGTCATTTGAGG  
 CCTGAGGTCGCAGCCAGGGCGGGCGGCCAGCCCCGGCCCTGGAGCGCCCGCC  
 CGGTCCCCACCTCCATGACGCCTTCAAGGGGGCATGAGCCTGGAGCGCTGCCGAGG  
 GGCTCCGCGCCGCGCCGCCACCCCATGACATGGGGCCCGCTTCCACCTGGCCCGGC  
 CCGCCGACCCCGCGAGCCGCTCGAGAAGTCCGCCAGCGAGTCGTCTGACACGGAGCTGC  
 CAGAGAAGGAGCGCGCGGGGAACCCAAGGGGCCGAGGACAGTGGTGGGGAGGCACGG  
 GCTGCGGGCGCGCAGACGACCCAGCCAAGAAGAAGAAGCAGCGCGGCAACGTACGCACT  
 TCACAAGCCAGCAGTTGCAAGAGCTAGAGGCCACGTTCCAGAGGAACCGTACCCCGACA  
 TGAGCATGAGGGAGGAGATCGCCGTGTGGACCAACCTCACCGAGCCGCGGTGCGGGTCT  
 GGTTCAGAACCAGCGAGCCAAGTGGCGTAAGCGCGAGCGTAACCAGCAGCTGGACTGT  
 GCAAGGGTGGCTACGTGCCGAGTTCAGCGGCCTAGTGCAGCCCTACGAGGACGTGTACG  
 CCGCCGGCTACTCCTACAACAAGTGGGCCGCAAGAGCCTGGCGCCAGCGCCGCTCTCCA  
 CCAAGAGCTTCACTTCTTCAACTCCATGAGCCCGCTGTGTCGAGTCCATGTTCTCAG  
 CACCCAGCTCCATCTCTCCATGACCATGCCGTCCAGCATGGGCCAGGGCCCGTGCCTG  
 GCATGCCAACTCGGGCCTCAACAACATCAACAACCTCACCGGCTCCTCGCTCAACTCGG  
 CCATGTGCGCGGGCGCTTGCCCGTACGGCACTCCCGCCTCGCCCTACAGCGTCTACCGGG  
 ACACGTGCAACTCGAGCCTAGCCAGCCTGCGGCTCAAGTCAAACAGCACTCGTCGTTTG  
 GCTACCGCGCCCTGCAGGGCCCGCCTCGGGCCTCAACGCGTGCCAGTACAACAGCTGAC  
 CGCCCGCCGACACCGCGGGCCGCGGCGGAGCGGGGAAGGGCGCGGGCGCGGAGGAC  
 GCACGCGGGGCCCGGCTCGCAAGCCCCAGCTCACCGCGCCGCGGACCTCACACCTGCGC  
 AGCCCCCTCCTCCACTTCCCACTCCGGGTTGGTTTTGTGTTTGTCTTTCCGGACCCAC  
 TCTGCCCTCCAAAAGACAAAAA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC003685 unedited NNNGGTTTGGATTGTATACGACTCATATAGGCGGCCGCGNATCCCGGGATATCGTCTGA CCCACGCGTCCGCTGGGGACTTCGAGGCGGCCGAGACGGGAGTTGATTCTAGGCGAAACA AGTCATTTGAGGCTGAGGTGCGAGCCAGGGCGGGGGCGGCCAGCCCCGGCCCTG GAGCGCCCGCCGGTCCCCACCTCCATGGACGCTTCAAGGGGGCATGAGCCTGGAGC GGCTGCCGGAGGGGCTCCGGCCCGCCGCCACCCCATGACATGGGGCCCGCCTTCC ACCTGGCCCGGCCCGCCGACCCCGCGAGCCGCTCGAGAACTCCGCCAGCGAGTCGTCTG ACACGGAGCTGCCAGAGAAGGAGCGCGGGGAACCCAAGGGGCCGAGGACAGTGGTG CGGGAGGCACGGGCTGCGCGGGCCAGACGACCCAGCCAAGAAGAAGAAGCAGCGCGGC AACGTACGCACTTCAAGCCAGCAGTTGCAAGAGCTAGAGGCCACGTTCCAGAGGAACC GCTACCCCGACATGAGCATGAGGGAGGAGATCGCCGTGTGGACCAACCTCACCGAGCCGC GCGTGCGGGTCTGGTTCAAGAACCGGCGAGCCAAGTGGCGTAAGCGCGAGCGTAACCAGC AGCTGGACCTGTGCAAGGGTGGCTACGTGCCGAGTTCAGCGGCCTAGTGCAGCCCTACG AGGACGTGTACGCCCGCCGCTACTCTACAACAACCTGGGCCGCCAAGAGCCTGGCGCCAG CGCGCTCTCCACCAAGAGCTTACCTTCTTCACTCCATGAGCCCGCTGTCGTGCGCAGT CCATGTTCTCAGCACCCACTCCATCTCCTCCATGACCATGCCGTCCAGCATGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC003685
<b>Insert Size:</b>	1299 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC003685.1</a> , <a href="#">AAH03685.1</a>
<b>RefSeq Size:</b>	1299 bp
<b>Locus ID:</b>	5307
<b>Cytogenetics:</b>	5q31.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin. [provided by RefSeq, Jul 2008]