

Product datasheet for **MC200808**

Pitx1 (NM_011097) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pitx1 (NM_011097) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pitx1
Synonyms: Bft; P-OTX; Potx; Ptx1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC012696 sequence for NM_011097
 CCACGCGTCCGCCGAGCCTTAGAAACCGGCCTCGAATCGGGACTGGGGCCCGGGCCGGCCGGGAGCTG
 AGGCCGGAGCAGCAGGAGCGCGTGGCGGAGCCCCGAGCCCCGAACCCGGTCCCGCAGCCTGGAGAGGTCTG
 ATGGAGCTCGAACGGCGTCGCTGTGGGCGCGGGCAGCCCTGGGGGCGAGCCGCTTAGCGCCACTCTCTT
 GTCCCAACAGGTCGAGCCTGGGCGGGGAGCTCCAGCCCCGGCCCTGGAGCGCCGTTGCGGTC
 CCCACCTCCATGGACGCTTCAAGGGAGGCATGAGCCTGGAGAGGCTACCGGAGGGGCTGCGGCCACCGC
 CACCACCACCGCACGACATGGGGCCAGCTTCCACCTGGCCCGCGCCGACCCCGGGAGCCGCTGGA
 GAACTCCGCCAGCGAATCGTCCGACGCTGATCTGCCAGACAAGGAGCGCGGTGGGAAGCCAAGGGGCCA
 GAGGATGGTGGCGGGCAGTGTGGCTGCGGGCGCGGTGCAGAGGACCCAGCTAAGAAGAAGAAACAGC
 GCGGGCAACGCACTCACTTCAAGCCAGCAGTTGCAAGAGCTGGAGGCCAGTTCCAAAGGAACCGCTA
 CCCCAGCATGAGCATGAGAGAGGAGATCGCGGTGTGGACCAACCTCACTGAACCGGAGTGGGGTCTGG
 TTCAAGAACCAGCGAGCCAAATGGCGCAAGCGGGAGCGGAACCAGCAGTTGGACCTGTGCAAGGGCGGCT
 ATGTGCCCGAGTTTCAGCGCCTGGTGCAGCCCTACGAGGACGTGTACGCTGCCGGCTACTCTACAACAA
 CTGGGGCGGCAAGAGCCTGGCCCCGGCGCGCTGTCTACCAAGAGCTTTACCTTCTTCAACTCCATGAGC
 CCGCTCTCCTCTCAATCCATGTTCTCGGCCCCAGCTCCATCTCTTCCATGACCATGCCGTCAGCATGG
 GCCCGGGCGCGGTGCCCGGCATGCCAACTCGGCCTCAACAACATCAACAACCTCACCGGCTCCTCGCT
 CAACTCGGCCATGTCGCCGGGCGCCTGCCCTACGGCACCCAGCCTCGCCCTACAGCGTCTACCGGGAC
 ACGTGAACTCGAGCCTTGCCAGCCTGCGGCTCAAGTCCAAGCAGCACTCGTCTTTGGCTATGGCGGTC
 TGCAGGTCGGGCTCGGGCTCAACGCTTGCCAGTACAACAGCTGACCGCCCCGCTGGTCCCCGGGGC
 CGCCGGCCAGCAAGGCTCACAGAAGGGAGCGCGGGAGCAGCGGGGCGCTCGCAGCTCCTCGGACCTC
 ACCTCTGCGCAGCCCTTCTCCACCCCGCCTCCAGGTTGGTTTTGTGTTTTGCTTTTTCCAGACCCCC
 GCTCTGTCCCAATGAATGAAAAGAAAAGAAAGCAAGCCAAGGGAGGGGTGGGTGGGAAGAAAGAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011097



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Insert Size:	948 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:	BC012696 , AAH12696
RefSeq Size:	1494 bp
RefSeq ORF:	948 bp
Locus ID:	18740
UniProt ID:	P70314
Cytogenetics:	13 30.06 cM
Gene Summary:	Sequence-specific transcription factor that binds gene promoters and activates their transcription. May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb. Can independently activate and synergize with PIT-1 on pituitary-specific target gene promoters, thus may subserve functions in generating both precursor and specific cell phenotypes in the anterior pituitary gland and in several other organs. Can activate pituitary transcription of the proopiomelanocortin gene.[UniProtKB/Swiss-Prot Function]