Product datasheet for SC320324

PITX1 (NM_002653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITX1 (NM_002653) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITX1
Synonyms:	BFT; CCF; LBNBG; POTX; PTX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002653 edited CTGGGGACTTCGAGGCGGCCGAGACGGGAGTTGATTCTAGGCGAAACAAGTCATTTGAGG CCTGAGGTCGCAGCCAGGGCGGCGGGGCGCGCCCAGCCCCGGCCCCTGGAGCGCCCGCCG CGGTCCCCACCTCCATGGACGCCTTCAAGGGGGGCATGAGCCTGGAGCGGCTGCCGGAGG GGCTCCGGCCGCCGCCGCCGCCACCCCATGACATGGGGCCCGCCTTCCACCTGGCCCGGC CCGCCGACCCCCGCGAGCCGCTCGAGAACTCCGCCAGCGAGTCGTCTGACACGGAGCTGC CAGAGAAGGAGCGCGGCGGGGAACCCAAGGGGCCCGAGGACAGTGGTGCGGGAGGCACGG GCTGCGGCGGCGCAGACGACCCAGCCAAGAAGAAGAAGCAGCGGCGGCAACGTACGCACT TCACAAGCCAGCAGTTGCAAGAGCTAGAGGCCACGTTCCAGAGGAACCGCTACCCCGACA TGAGCATGAGGGAGGAGATCGCCGTGTGGACCAACCTCACCGAGCCGCGCGTGCGGGTCT GGTTCAAGAACCGGCGAGCCAAGTGGCGTAAGCGCGAGCGTAACCAGCAGCTGGACCTGT GCAAGGGTGGCTACGTGCCGCAGTTCAGCGGCCTAGTGCAGCCCTACGAGGACGTGTACG CCGCCGGCTACTCCTACAACAACTGGGCCGCCAAGAGCCTGGCGCCAGCGCCGCTCTCCA CCAAGAGCTTCACCTTCTTCAACTCCATGAGCCCGCTGTCGTCGCAGTCCATGTTCTCAG CACCCAGCTCCATCTCCTCCATGACCATGCCGTCCAGCATGGGCCCAGGCGCCGTGCCTG GCATGCCCAACTCGGGCCTCAACAACATCAACAACCTCACCGGCTCCTCGCTCAACTCGG CCATGTCGCCGGGCGCTTGCCCGTACGGCACTCCCGCCTCGCCCTACAGCGTCTACCGGG ACACGTGCAACTCGAGCCTAGCCAGCCTGCGGCTCAAGTCCAAACAGCACTCGTCGTTTG GCTACGGCGCCCTGCAGGGCCCGGCCTCGGGCCTCAACGCGTGCCAGTACAACAGCTGAC CGCCCCGCCGCACCACGCGGGCCGGCGGCCGGAGCGGGGAAGGGCGCGGGCGCGGAGGAC GCACGCGGGGCCCCGGCTCGCAAGCCCCAGCTCACCGCGCCGCGGACCTCACACCTGCGC AGCCCCCTCCTCCCACTTCCCACTCCGGGTTGGTTTTGTGTTTGCTTTTCCGGACCCCAC TCTGCCCTCCAAAAAGACAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_002653

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Insert Size:	1500 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_002653.3
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:	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_002653.3, NP_002644.3
RefSeq Size:	2373 bp
RefSeq ORF:	945 bp
Locus ID:	5307
UniProt ID:	P78337
Cytogenetics:	5q31.1
Protein Families:	Transcription Factors
Gene Summary:	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]