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Product datasheet for SC209282

PITX2 (NM_000325) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PITX2 (NM_000325) Human 3' UTR Clone
Symbol:	PITX2
Synonyms:	ARP1; ASGD4; Brx1; IDG2; IGDS; IGDS2; IHG2; IRID2; Otlx2; PTX2; RGS; RIEG; RIEG1; RS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000325
Insert Size:	732 bp
Insert Sequence:	>SC209282 3'UTR clone of NM_000325 The sequence shown below is from the reference sequence of NM_000325. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGCCAGTATGCAGTGGACCGGCCCGTGTGAGCCGCACCCACAGCGCCGGGATCCTAGGACCTTGCCGGA TGGGGCAACTCCGCCCTTGAAAGACTGGGAATTATGCTAGAAGGTCGTGGGCACTAAAGAAAGGGAGAG AAAGAGAAGCTATATAGAGAAAAGGAAACCACTGAATCAAAGAGAGAGCTCCTTTGATTTCAAAGGGAT GTCCTCAGTGTCTGACATCTTTCACTACAAGTATTTCTAACAGTTGCAAGGACACATACACAAACAAAT GTTTGACTGGATATGACATTTTAACATTACTATAAGCTTGTTATTTTTTAAGTTTAGCATTGTTAACAT TTAAATGACTGAAAGGATGTATATATATCGAAATGTCAAATTAATTTTATAAAAGCAGTTGTTAGTAAT ATCACAACAGTGTTTTTAAAGGTTAGGCTTTAAAATAAAGCATGTTATACAGAAGCGATTAGGATTTTT CGCTTGCGAGCAAGGGAGTGTATATACTAAATGCCACACTGTATGTTTCTAACATATTATTATTATTAT AAAAAATGTGTGAATATCAGTTTTAGAATAGTTTCTCTGGTGGATGCAATGATGTTTCTGAAACTGCTA TGTACAACCTACCCTGTGTATAACATTTCGTACAATATTATTGTTTTACTTTTCAGCAAATATGAAACA AATGTGTTTTATTTCATGGGAGTAAAATATACTGCATACAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000325.6
Summary:	This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. The encoded protein acts as a transcription factor and regulates procollagen lysyl hydroxylase gene expression. This protein plays a role in the terminal differentiation of somatotroph and lactotroph cell phenotypes, is involved in the development of the eye, tooth and abdominal organs, and acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin. Mutations in this gene are associated with Axenfeld-Rieger syndrome, iridogoniodysgenesis syndrome, and sporadic cases of Peters anomaly. A similar protein in other vertebrates is involved in the determination of left-right asymmetry during development. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
Locus ID:	5308
MW:	28.7