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Product datasheet for SC213793

PAX3 (NM_181459) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PAX3 (NM_181459) Human 3' UTR Clone
Symbol:	PAX3
Synonyms:	CDHS; HUP2; WS1; WS3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_181459
Insert Size:	1317 bp

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Insert Sequence:

>SC213793 3'UTR clone of NM_181459
The sequence shown below is from the reference sequence of NM_181459. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGTGGAGAAGAGGAAGACCTGGAGCAATAAAAGACAAATGCAACATTTTAAGGCAATGGTTTCACATGG
TTACATATCAAAACATCCCAATTCTTTAGTGCTGATCATCGAGGAGCTAGAACATTCCATTTGCTTGTG
TGCGTGCGTGCGTGTGTGTGTGTGTGTGTGTATTGAGATTTACCCAGACTGGTTTGGGCAAGCAGACTG
TTCTAAAATATAATAGAATACCCTAAAGTATAACATGTCGATGTTCGATGCTGATACTTCTACAACTTT
AAAACTGCTCATTTCATGAAGCAAGAATGGAGGAATCCTTGACTCTTACACACTGGAAATTGAAATAAA
GATAAATGCAACCATTTTTAGGAAGCTAGACTAGCTGTAAAGGACCTCCTAAATAAATTATTTGTTACT
GTATCCTCATTTGTAATCTAGTTGTCAATAAATGGCCCGGACATGTCTTGCTAACAGGATATGGGCTAC
CAGGAAGAAGGACTTGTTTCCCTTTCCTGTGTGGGGAGAGGTGTGTGACGTTTTTCCAGTTCACATTTA
TTTGGTAGCCCACCTGGGTTGGAGGAAGGGCACGGTGGAGAGAAAGTGACATGCATTCACATATCTGCT
TATCAGTGTGCAATACTGTGTACCTCATGGATGCTTTGGCAATGCCCAAGGCGATATAAGCAAAATCAG
AAGTATATTTTTGCAGGTGCTTTTATTTTCACAGCCCATAATTCATAGTGATAGAGTGCAGTGATGTTT
GCCATTTGCTGGACAACCAACACCCGGGTTGCTCCTTTGATTAGAGACCAGATCAGATAATTATGCTTT
TAAACTGATTACGTTTACATTCTTCTCTTTTCTATGAAAGGCAGGGCAAGAACAGAAGTGTTCACATGG
CTCTCATGTACTTTTAAATTATACAATGATATCCAATATTAAAAGATTATAGGAACTGAGGTTTACATA
CGTTTGTGTGGTGACATTTTAGAATGTCAATAAATTTGCTTTTTGAGATGTTGAGAGGAACAAGAAGGT
GGAAGGCAGTGTTATTTATTTCTTTCTATTCTTGGAACCACGAATGAGGTAGGCACAAATACATTCCTT
TTAGAGTTAAGAACTATGACGTAGCGAGTTAGTGAGACTAGACATAGTACCGAATTTAGTTCATGCATT
GGTCTTAGAGGGTGATGGAACAAGAGAAGTACTATCTTTGTGTTGCAGCCTCAACCAACAACAATGTGT
TGTAAAAATGTCTTTCATGTAAAAAGTGCAGTAAATATTTACTATTTATAATGAATAAACAGTTATGAA
AACTTG
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).

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_181459.4

Summary: This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini. [provided by RefSeq, Jul 2008]

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Locus ID:	5077
MW:	50.6

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