

Product datasheet for **SC215112**

PAX3 (NM_181461) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PAX3 (NM_181461) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PAX3
Synonyms:	CDHS; HUP2; WS1; WS3
ACCN:	NM_181461
Insert Size:	1547 bp



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Insert Sequence: >SC215112 3'UTR clone of NM_181461
 The sequence shown below is from the reference sequence of NM_181461. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTATCTCAAGCCAGATATCGCGTAAGTGAAGTGTCCACTTGAGCTAAAAGTGGCCTGTTTCTGGTC
TTCGCAGCTAGATATGAAGAATCTGCTCTGAAAAACAAAAAATTACCCTTTTGTGGGGGGGTGG
GGCAGTGGTCCCAATAGGAGACAAAGGAGAGTGATTGATTTTCTCCTCAATAGTTGGTTTCAAATCC
TTTTGAACACGTTTCGACAAAAGCAGTGGAGAAGAGGAAGACCTGGAGCAATAAAGACAAATGCAACAT
TTAAGGCAATGGTTTCACATGGTTACATATCAAACATCCCAATTCTTTAGTGTGATCATCGAGGAG
CTAGAACATTCCATTTGCTTGTGTGCGTGCCTGCGTGTGTGTGTGTGTGTGTATTGAGATTTACCA
GACTGGTTTGGCAAGCAGACTGTTCTAAAATATAATAGAATACCCTAAAGTATAACATGTCGATGTTT
GATGCTGATACTTCTACAACCTTTAAAAGTCTCATTTTCATGAAGCAAGAATGGAGGAATCCTTGACTCT
TACACACTGGAATTTGAAATAAAGATAAATGCAACCATTTTTAGGAAGCTAGACTAGCTGTAAAGGACC
TCCTAAATAAATTTTGTACTGTATCCTCATTGTAAATCTAGTTGTCAATAAATGGCCCGGACATGT
CTTGCTAACAGGATATGGGCTACCAGGAAGAAGGACTTGTTCCTTTCTGTGTGGGAGAGGTGTGT
GACGTTTTTCCAGTTCACATTTATTTGGTAGCCACCTGGGTTGGAGGAAGGGCACGGTGGAGAGAAAG
TGACATGCATTCACATATCTGCTTATCAGTGTGCAATACTGTGTACCTCATGGATGCTTTGGCAATGCC
CAAGGCGATATAAGCAAAATCAGAAGTATTTTTGCAGGTGCTTTTATTTTACAGCCCATAAATCAT
AGTGATAGAGTGCAGTGTGTTTGCATTTGCTGGACAACCAACACCCGGGTTGCTCCTTTGATTAGAG
ACCAGATCAGATAATTATGCTTTTAAACTGATTACGTTTACATTCTTCTTTTCTATGAAAGGCGGG
CAAGAACAGAAGTGTTCACATGGCTCTCATGTACTTTTAAATTATACAATGATATCCAATATTAAGA
TTATAGGAACTGAGGTTTACATACGTTTGTGTGGTGACATTTTGAATGTCAATAAATTTGCTTTTGA
GATGTTGAGAGGAACAAGAAGGTGGAAGCAGTGTATTTATTTCTTTCTATTCTTGAACCACGAATG
AGGTAGGCACAAATACATTCCTTTTAGAGTTAAGAATATGACGTAGCGAGTTAGTGAGACTAGACATA
GTACCGAATTTAGTTCATGCATTGGTCTTAGAGGGTGATGGAACAAGAGAAGTACTATCTTTGTGTTGC
AGCCTCAACCAACAACAATGTGTTGTAATAATGTCTTTTCATGTAATAAGTGCAGTAAATATTTACTATT
TATAATGAATAAACAGTTATGAAAATTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_181461.4](#)

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]
Locus ID:	5077
MW:	59.3