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# Product datasheet for SC206413

## PAX3 (NM_000438) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | PAX3 (NM_000438) Human 3' UTR Clone |
| **Vector:** | pMirTarget (PS100062) |
| **Symbol:** | PAX3 |
| **Synonyms:** | CDHS; HUP2; WS1; WS3 |
| **ACCN:** | NM_000438 |
| **Insert Size:** | 500 bp |
| **Insert Sequence:** | >SC206413 3'UTR clone of NM_000438<br>The sequence shown below is from the reference sequence of NM_000438. The complete sequence of this clone may contain minor differences, such as SNPs.<br>Blue=Stop Codon Red=Cloning site<br><br>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG<br>TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC<br>TGGGTGACTTGGAGGGCATCGGCTAGCTGACATTGGTGATCTGACGGCAGCCAAGCCCAGCTCGGATCA<br>AGGTCCCTTCATGCGCGGTGTCTCTGCGCCTGAGTAACGACATGGAACTGAAAGACCAGAGGGACACTA<br>GGAATCAAAACAAACATTTCTATTCTGCTTAGTTTTTCTGTTTTGTAAATCTTTCTTTCTTAACCACTT<br>TCAGCCCCTGGGATTCTAGAACTGTGAATTGTGCTCTGTTGTAGGGGGCAGGGGAAGCTCTCACTCTGT<br>TGCCATTAAATGTATGAGACTGGGCATCTCTGAGCAATTGTAGGGCCGGGGATAGAGGGTACTTGAATC<br>TTCAGAAGTTGAAGTAGCTTTTATGCCCTCAGGAAAGGCCCTGGTCTCCGGAGTTTCCTCGCATTAAAG<br>GAGAGAGAGAGAGAGTACTCTTTTGGGCAACGGCCCTCCAAAATTGCCCCCACATTGGCTGCCTTATAA<br>ATATGTCTGTGTGTTGA<br>ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA<br>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_000438.6 |

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**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:** 18.2