

Product datasheet for **RN216768**

Pax3 (NM_053710) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax3 (NM_053710) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pax3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216768 representing NM_053710
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCACGCTGGCCGGCGCTGTGCCAGGATGATGCGGCCCGGCCGGGCAGAAATACCCACGCAGCG
 GCTTCCCACTGGAAGTGTCTACACCCCTCGGCCAGGGCCGAGTCAATCAGCTCGGAGGAGTATTTATCAA
 CGGCAGGCCTCTGCCCAACCACATCCGCCACAAGATCGTGGAGATGGCCACCACGGCATTTCGGCCTTGC
 GTCATCTCTCGCAACTTCGCGTGTCCACGGCTGTGTCTCTAAGATCTTATGCAGGTACCAGGAGACAG
 GCTCCATCCGACCTGGCGCCATTGGCGGCAGCAAGCCCAAGCAGGTGACAACGCCTGACGTGGAGAAGAA
 AATTGAGGAATACAAAAGAGAGAACCCAGGCATGTTTAGCTGGGAAATCAGAGACAAATTAAGGAC
 GCTGTCTGTGATCGAACACTGTGCCCTCAGTGAGTTCATCAGTCGCATCCTGAGGAGTAAATTTGGAA
 AAGGAGAAGAGGAGGAGCGGATTTAGAAAGGAAAGAAGCCGAGGAAAGCGAGAAAAAGGCTAAACACAG
 CATCGATGGCATCTAAGTGAGCGAGCCTCCGCACCTCAATCAGATGAAGGCTCGGACATTGACTCAGAA
 CCTGATTTACCGCTGAAGAGGAAGCAGCGCAGGAGTAGAACCACCTTCACCGCAGAGCAGCTGGAGGAAC
 TGGAGCGCGCTTTCGAGAGAACCCTACTATCCAGACATTTACACCAGGGAGGAGCTGGCCAGAGGGCGAA
 GCTTACTGAGGCCGAGTGCAGGTCTGGTTTAGCAACCGCCGTGCAAGATGGAGGAAGCAAGCTGGAGCC
 AATCAACTGATGGCTTTCAACCATCTCATTCCGGGGGATTCCCTCCCACCGCCATGCCGACCCTGCCAA
 CATACCAGCTGTGCGAGACCTCTTACCAGCCCAGTCTATTCCACAAGCCGTATCAGATCCCAGTAGTAC
 TGTTACAGACCTCAGCCGCTTCTCCGAGCACTGTCCACCAAGCACCATTCTTGAATGCAGACAGC
 AGCTCTGCCTACTGCCTTCCAGCACCAGGCATGGATTTCAAGCTACACCGACAGCTTCGTGCCTCCAT
 CGGGCCCTCAACCCCATGAACCCCGCCATTGGCAATGGCCTTTCACCTCAGGTAAATGGGACTTCTGAC
 CAACCAGGTGGGTACCGCACCAGCCTCAGACCGACTATGCTCTCTCCCCTCTCACTGGGGCCCTGGAA
 CCCACGACCAGGTGTCAGCCAGCTGCAGTCAGAGATTGGAGCACATGAAGAATGTGGACAGTCTGCCCA
 CATCTCAGCCCTACTGTCCCCCACCTATAGTACCACAGGCTACAGCATGGACCCTGTCACGGGCTACCA
 GTATGGGCAGTATGGACAAAGTGCCCTTTCATTATCTCAAGCCAGATATTGCAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053710
- Insert Size:** 1455 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_053710.1](#), [NP_446162.1](#)

RefSeq Size: 2197 bp

RefSeq ORF: 1455 bp

Locus ID: 114502

Cytogenetics: 9q33

Gene Summary: may act as a transcription factor and play a role in Schwann cell development; may be regulated by transcriptional modulator Sox10 [RGD, Feb 2006]