

Product datasheet for **RR216768**

Pax3 (NM_053710) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR216768 representing NM_053710
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCACGCTGGCCGGCGCTGTGCCAGGATGATGCGGCCCGGCCGGGCAGAATTACCCACGCAGCG
 GCTTCCCACTGGAAGTGTCTACACCCCTCGGCCAGGGCCGAGTCAATCAGCTCGGAGGAGTATTTATCAA
 CGGCAGGCCTCTGCCAACCACATCCGCCACAAGATCGTGGAGATGGCCACCACGGCATTTCGGCCTTGC
 GTCATCTCTCGCAACTTCGCGTGTCCACGGCTGTGTCTCTAAGATCTTATGCAGGTACCAGGAGACAG
 GCTCCATCCGACCTGGCGCCATTGGCGGCAGCAAGCCCAAGCAGGTGACAACGCCTGACGTGGAGAAGAA
 AATTGAGGAATACAAAAGAGAGAACCAGGCATGTTTAGCTGGGAAATCAGAGACAAATTACTCAAGGAC
 GCTGTCTGTGATCGAACACTGTGCCCTCAGTGAGTTCATCAGTCGCATCCTGAGGAGTAAATTTGGAA
 AAGGAGAAGAGGAGGAGCGGATTTAGAAAGGAAAGAAGCCGAGGAAAGCGAGAAAAAGGCTAAACACAG
 CATCGATGGCATCTAAGTGAGCGAGCCTCCGCACCTCAATCAGATGAAGGCTCGGACATTGACTCAGAA
 CCTGATTTACCGCTGAAGAGGAAGCAGCGCAGGAGTAGAACACCTTCACCGCAGAGCAGCTGGAGGAAC
 TGGAGCGCGCTTTCGAGAGAACCCTACTATCCAGACATTTACACCAGGGAGGAGCTGGCCAGAGGGCGAA
 GCTTACTGAGGCCGAGTGCAGGTCTGGTTTAGCAACCGCGTGAAGATGGAGGAAGCAAGCTGGAGCC
 AATCAACTGATGGCTTTCAACCATCTCATTCCGGGGGATTCCCTCCCACCGCCATGCCGACCCTGCCAA
 CATACCAGCTGTGAGACCTCTTACCAGCCCAGTCTATTCCACAAGCCGATCAGATCCCAGTAGTAC
 TGTTACAGACCTCAGCCGCTTCTCCGAGCACTGTCCACCAAAGCACCATTCTTGAATGCAGACAGC
 AGCTCTGCCTACTGCCTTCCAGCACCAGGCATGGATTTCAAGCTACACCGACAGCTTCGTGCCTCCAT
 CGGGCCCTCAACCCCATGAACCCCGCATTGGCAATGGCCTTTCACCTCAGGTAATGGACTTCTGAC
 CAACCACGGTGGGTACCGCACCAGCCTCAGACCGACTATGCTCTCTCCCCTCTCACTGGGGCCCTGGAA
 CCCACGACCAGGTGTCAGCCAGCTGCAGTCAGAGATTGGAGCACATGAAGAATGTGGACAGTCTGCCCA
 CATCTCAGCCCTACTGTCCCCCACCTATAGTACCACAGGCTACAGCATGGACCCTGTCACGGGCTACCA
 GTATGGGCAGTATGGACAAAGTGCCTTTCATTATCTCAAGCCAGATATTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216768 representing NM_053710
 Red=Cloning site Green=Tags(s)

MTTLGAVPRMMPGPGQNYPRSGFPLEVSTPLGQGRVNLGGVFINRPLPNHIRHKIVEMAHHGIRPC
 VISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTPDVEKKIEEYKRENPGMFSWEIRDKLLKD
 AVCDRNTVPSVSSISRILRSKFGKGESEADLERKEAEESEKKAKHSIDGILSERASAPQSDGSDIDSE
 PDLPLKRRQRRSRTTFTAEQLEELERAFERTHYDIIYTREELAQRACL TEARVQVWFSNRRARWRKQAGA
 NQLMAFNHLIPGGFPPTAMPTLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQPLPPSTVHSTIPSNADS
 SSAYCLPSTRHGFSSYTDSFVPPSGPSNPMNPAIGNLSPQVMGLLTNHGGVPHQPQTDYAL SPLTGGL
 PTTTVSASCSQRLEHMKNVDSLPTSQPYCPPTYSTTGYSMDPVTGYQYQYQSAFHYLKPDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

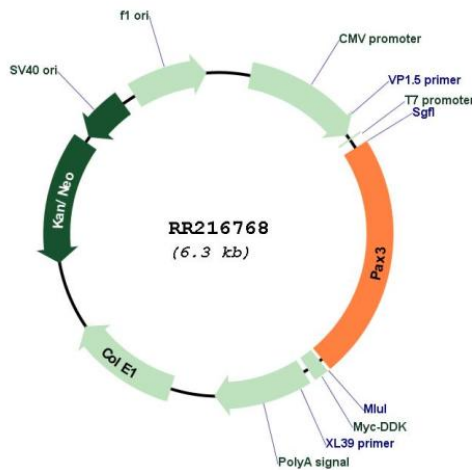
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053710

ORF Size: 1452 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 53.4 kDa

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]