

Product datasheet for **MC218215**

Pax3 (NM_001159520) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax3 (NM_001159520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pax3
Synonyms:	Pax-3; Sp; Splchl2; splotch
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218215 representing NM_001159520
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACGCTGGCCGGCGCTGTGCCAGGATGATGCGGCCCGGCCGGGCAGAAATACCCACGCAGCG
 GCTTCCCGCTGGAAGTGTCCACCCTCTTGCCAGGGCCGAGTCAACCAGCTCGGAGGAGTATTTATCAA
 CGGCAGGCCTCTGCCAACCATATCCGCCACAAGATAGTGGAGATGGCCACCATGGCATTTCGGCCTTGC
 GTCATTTCTCGCCAGCTTCGCGTGTCCCATGGTTGCGTCTCTAAGATCCTGTGCAGGTACCAGGAGACAG
 GCTCCATCCGACCTGGTCCATCGGCGGCAGAAACCAAGCAGGTGACAACGCCTGACGTGGAGAAGAA
 AATTGAGGAATACAAAAGAGAGAACCCGGGCATGTTTAGCTGGGAAATCAGAGACAAATTGCTCAAGGAC
 GCTGTCTGTGATCGAACACTGTGCCCTCAGTGAGTTCTATCAGCCGCATCCTGAGGAGTAAATTTGGAA
 AAGGAGAAGAGGAGGAGCGGATCTAGAAAGGAAGGAAGCAGAAGAAAGCGAGAAAAAGGCTAAACACAG
 CATCGATGGCATCCTGAGTGAGCGAGCCTCTGCACCTCAGTCAGATGAAGGCTCCGATATTGACTCTGAA
 CCTGATTTACCGCTGAAGAGGAAGCAGCGCAGGAGCAGAACCACCTTCACGGCAGAGCAGCTGGAGGAAC
 TGGAGCGGGCTTTTCGAGAGAACCCTACTCCAGACATTTACACCAGGGAGGAGCTGGCCAGAGGGCGAA
 GCTTACCAGGGCCGAGTGCAGGTCTGGTTTAGCAACCGCCGTGCAAGATGGAGGAAACAAGCTGGAGCC
 AATCAACTGATGGCTTTCAACCATCTCATTCCGGGGGATTCCCTCCCACCGCCATGCCGACCCTGCCAA
 CATACCAGCTGTCCGAGACCTCTTACCAGCCCAGTCTATTCCACAAGCCGTGTCAGATCCCAGTAGCAC
 CGTCCACAGACCTCAGCCGCTTCTCCGAGCACTGTACACCAAAGCACTATTCTTGAACGCAGACAGC
 AGCTCTGCCTACTGCCTCCCCAGCACCAGGCATGGATTTTCAAGCTATACAGACAGCTTTGTGCCTCCAT
 CGGGCCCTCAACCCCATGAACCCACCATCGGCAATGGCCTTCACCTCAGGTAAATGGACTTCTGAC
 CAACCACGGTGGGTACCGCACCAGCCTCAGACCGACTATGCTCTCTCCCTCTCACTGGGGCCCTGGAA
 CCCACGACCAGGTGTCAGCCAGCTGCAGTCAGAGACTGGAACATATGAAGAATGTGGACAGTCTGCCCA
 CATCTCAGCCCTATTGTCCCCCACCTATAGCACCGCAGGCTACAGTATGGACCCTGTCACAGGCTACCA
 GTATGGGCAGTATGGACAAAGTGCCTTTCATTATCTCAAGCCAGATATTGCAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001159520

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).

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_001159520.1](#), [NP_001152992.1](#)

RefSeq Size: 3376 bp

RefSeq ORF: 1455 bp

Locus ID: 18505

UniProt ID: [P24610](#)

Cytogenetics: 1 39.79 cM

Gene Summary: Transcription factor that may regulate cell proliferation, migration and apoptosis. Involved in neural development and myogenesis. Transcriptional activator of MITF, acting synergistically with SOX10 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) contains an alternate splice site in the 3' coding region, compared to variant 1. This results in a distinct C-terminus and longer protein (isoform b), compared to isoform a.