

Product datasheet for **MC216638**

Pax3 (NM_008781) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax3 (NM_008781) 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



[View online »](#)

Fully Sequenced ORF: >MC216638 representing NM_008781
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCACGCTGGCCGGCGCTGTGCCAGGATGATGCGGCCCGGCCGGGCAGAAATACCCACGCAGCG
GCTTCCCGCTGGAAGTGTCCACCCCTCTTGCCAGGGCCGAGTCAACCAGCTCGGAGGAGTATTTATCAA
CGGCAGGCCTCTGCCAACCATATCCGCCACAAGATAGTGGAGATGGCCACCATGGCATTTCGGCCTTGC
GTCATTTCTCGCCAGCTTCGCGTGTCCCATGGTTGCGTCTCTAAGATCCTGTGCAGGTACCAGGAGACAG
GCTCCATCCGACCTGGTCCATCGGCGGCAGAAACCAAGCAGGTGACAACGCCTGACGTGGAGAAGAA
AATTGAGGAATACAAAAGAGAGAACCCGGGCATGTTTAGCTGGGAAATCAGAGACAAATTGCTCAAGGAC
GCTGTCTGTGATCGAACACTGTGCCCTCAGTGAGTCTATCAGCCGCATCCTGAGGAGTAAATTTGGAA
AAGGAGAAGAGGAGGAGCGGATCTAGAAAGGAAGGAAGCAGAAGAAAGCGAGAAAAAGGCTAAACACAG
CATCGATGGCATCCTGAGTGAGCGAGCCTCGCACCTCAGTCAGATGAAGGCTCCGATATTGACTCTGAA
CCTGATTTACCGCTGAAGAGGAAGCAGCGCAGGAGCAGAACCACCTTCACGGCAGAGCAGCTGGAGGAAC
TGGAGCGGGCTTTCGAGAGAACCCTACTCCAGACATTTACACCAGGGAGGAGCTGGCCAGAGGGCGAA
GCTTACCAGGGCCGAGTGCAGGTCTGGTTTAGCAACCGCGTGAAGATGGAGGAAACAAGCTGGAGCC
AATCAACTGATGGCTTTCAACCATCTCATTCCGGGGGATTCCCTCCCACCGCCATGCCGACCCTGCCAA
CATACCAGCTGTGCGAGACCTCTACCAGCCCAGTCTATTCCACAAGCCGTGTCAGATCCCAGTAGCAC
CGTCCACAGACCTCAGCCGCTTCTCCGAGCACTGTACACCAAGCACTATTCTTGAACGCAGACAGC
AGCTCTGCCTACTGCCTCCCCAGCACCAGGCATGGATTTCAAGCTATACAGACAGCTTTGTGCCTCCAT
CGGGCCCTCAACCCCATGAACCCACCATCGGCAATGGCCTTCACCTCAGGTAAATGGACTTCTGAC
CAACCACGGTGGGTACCGCACCACTCAGACCGACTATGCTCTCTCCCTCTCACTGGGGCCCTGGAA
CCCACGACCAGGTGTCAGCCAGCTGCAGTCAGAGACTGGAACATATGAAGAATGTGGACAGTCTGCCCA
CATCTCAGCCCTATTGTCCCCCACCTATAGCACCGCAGGCTACAGTATGGACCCTGTCACAGGCTACCA
GTATGGGCAGTATGGACAAAGTAAGCCTTGGACGTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_008781

Insert Size: 1440 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_008781.4](#), [NP_032807.3](#)

RefSeq Size: 3868 bp

RefSeq ORF: 1440 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 (1) represents the longer transcript but encodes the shorter isoform (a).