

Product datasheet for **MR227275**

Pax3 (NM_008781) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax3 (NM_008781) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pax3
Synonyms:	Pax-3; Sp; Splchl2; splotch
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227275 representing NM_008781
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCACGCTGGCCGGCGCTGTGCCAGGATGATGCGGCCCGGCCGGGCAGAATTACCCACGCAGCG
 GCTTCCCCTGGAAGTGTCCACCCTCTTGGCCAGGGCCGAGTCAACCAGCTCGGAGGAGTATTTATCAA
 CGGCAGGCCTCTGCCAACCATATCCGCCACAAGATAGTGGAGATGGCCACCATGGCATTTCGGCCTTGC
 GTCATTTCTCGCCAGCTTCGCGTGTCCATGGTTGCGTCTCTAAGATCCTGTGCAGGTACCAGGAGACAG
 GCTCCATCCGACCTGGTCCATCGGCGGCAGAAACCAAGCAGGTGACAACGCCTGACGTGGAGAAGAA
 AATTGAGGAATACAAAAGAGAGAACCCGGGCATGTTTAGCTGGGAAATCAGAGACAAATTGCTCAAGGAC
 GCTGTCTGTGATCGAACACTGTGCCCTCAGTGAGTCTATCAGCCGCATCCTGAGGAGTAAATTTGGAA
 AAGGAGAAGAGGAGGAGCGGATCTAGAAAGGAAGGAAGCAGAAGAAAGCGAGAAAAAGGCTAAACACAG
 CATCGATGGCATCCTGAGTGAGCGAGCCTCTGCACCTCAGTCAGATGAAGGCTCCGATATTGACTCTGAA
 CCTGATTTACCGCTGAAGAGGAAGCAGGCCAGGAGCAGAACCACCTTCACGGCAGAGCAGCTGGAGGAAC
 TGGAGCGGGCTTTCGAGAGAACCCTACTCCAGACATTTACACCAGGGAGGAGCTGGCCCAGAGGGCGAA
 GCTTACCAGGCCCGAGTGCAGGTCTGGTTTAGCAACCGCGTGAAGATGGAGGAAACAAGCTGGAGCC
 AATCAACTGATGGCTTTCAACCATCTCATTCCGGGGGATTCCCTCCCACCGCCATGCCGACCCTGCCAA
 CATACCAGCTGTGAGAGACCTCTACCAGCCCAGTCTATTCCACAAGCCGTGTCAGATCCCAGTAGCAC
 CGTCCACAGACCTCAGCCGCTTCTCCGAGCACTGTACACCAAAGCACTATTCTTGAACGCAGACAGC
 AGCTCTGCCTACTGCCTCCCCAGCACCAGGCATGGATTTTCAAGCTATACAGACAGCTTTGTGCCTCCAT
 CGGGCCCTCAACCCCATGAACCCACCATCGGCAATGGCCTTTCACCTCAGGTAAATGGGACTTCTGAC
 CAACCACGGTGGGTACCGCACCCAGCTCAGACGACTATGCTCTCTCCCTCTCACTGGGGCCCTGGAA
 CCCACGACCAGGTGTCAGCCAGCTGCAGTCAGAGACTGGAACATATGAAGAATGTGGACAGTCTGCCCA
 CATCTCAGCCCTATTGTCCCCCACCTATAGCACCGCAGGCTACAGTATGGACCCTGTCACAGGCTACCA
 GTATGGGCAGTATGGACAAAGTAAGCCTTGGACGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227275 representing NM_008781
 Red=Cloning site Green=Tags(s)

MTTLGAVPRMMPGPGQNYPRSGFPLEVSTPLGQGRVNQLGGVFINRPLPNHIRHKIVEMAHHGIRPC
 VISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTPDVEKKIEEYKRENPGMFSWEIRDKLLKD
 AVCDRNTVPSVSSISRILRSKFGKGEERKEAESEKKAKHSIDGILSERASAPQSDGSDIDSE
 PDLPLKRKQRRSRTTFTAEQLEELERAFERTHYDIIYTREELAQRACLTEARVQVWFSNRRARWRKQAGA
 NQLMAFNHLIPGGFPPTAMPPLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQPLPPSTVHQSTIPSNADS
 SSAYCLPSTRHGFSSYTDSFVPPSGPSNPMNPTIGNLSPQVMGLLTHGGVPHQPQTDYALSPLTGGLLE
 PTTTVSASCSQRLEHMKNVDSLPTSQPYPCTYSTAGYSMDPVTGYQYQYQSKPWTF

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_008781

ORF Size: 1437 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_008781.4](#), [NP_032807.3](#)

RefSeq Size: 3868 bp

RefSeq ORF: 1440 bp

Locus ID: 18505

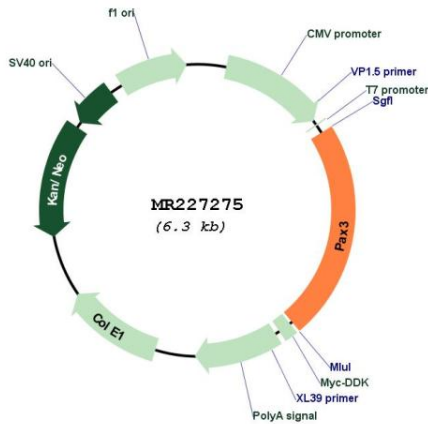
UniProt ID: [P24610](#)

Cytogenetics: 1 39.79 cM

MW: 53.4 kDa

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]

Product images:



Circular map for MR227275