

## Product datasheet for **MR227168**

### **Pax7 (NM\_011039) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pax7 (NM_011039) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pax7
Synonyms:	Pax-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR227168 representing NM\_011039  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCGCTGCCCGGCGGGTCCCCAGGATGATGAGACCCGGCCCGGGCAGAAGTACCCGCGCACCG  
 GCTTCCCCCTGGAAGTGTCCACCCTCTTGGCCAAGGCCGGTCAATCAGCTTGGTGGGGTCTTCATCAA  
 CGGTGACCCCTGCCGAACCACATCCGTACAAGATAGTGAAATGGCCACCATGGCATCCGGCCCTGC  
 GTCATCTCCCGTCAGCTCCGTGTTTCCCATGGTTGTGTCTCCAAGATTCTGTGCCGATATCAGGAGACTG  
 GGTCCATCCGGCCCGGGCTATCGGAGGACGAAAGCCAGACAGGTGGCGACTCCGGATGTGGAGAAAA  
 GATTGAGGAGTAAAGAGAGAGAACCCCGGATGTTTCCAGCTGGGAAATCCGGGACCGGCTGCTGAAGGAC  
 GGTCACTGCGACCAAGCAGGTGCCCTCAGTGAGTTCGATTAGCCGAGTCTCAGAATCAAGTTCGGGA  
 AGAAAGAGGACGACGAGGAAGGAGACAAGAAAGAAGAAGTGGCGAGAAGAAAGCCAAACACAGCATCGA  
 TGGCATCTGGGCGACAAAGGGAACCGTCTGGATGAGGGCTCAGATGTGGAATCAGAACCCGACCTCCCC  
 CTGAAGCGCAAGCAGCGCCGAGTCGGACCACGTTACAGCCGAGCAGCTGGAGGAGCTGGAGAAGGCTT  
 TCGAGAGGACCCACTACCCGGACATCTACACCCGGGAGGAGCTGGCACAGAGGACCAAGCTCACGGAGGC  
 ACGCGTCCAGGTCTGGTTCAGTAACCGCGTGCCTGGCGTAAAGCAGGACGAGCTAACCCAGCTGGCC  
 GCCTTCAACCACCTTCTGCCGGGAGGTTTCCACCCACCGGATGCCACGCTGCCACCCTACCAGCTGC  
 CGGACTTACCTACCCACCCACCATCTCCCAAGATGGAGGCAGCACAGTACACAGGCCCCAGCCCTT  
 TCCGCCATCAACCATGCATCAGGGTGGCTGGCTGCGGCCGTCAGCAGCGGACACCAGCTCTGCCTAC  
 GGAGCCCGCCACAGCTTCTCCAGCTACTCTGACAGCTTTCATGAACCTGGGGCTCCCTCCAACCATCA  
 ACCCTGTACGAATGGCCTGTCTCCTCAGTTCATGAGCATCCTTAGCAACCCGAGTGGCTGCCTCCACA  
 GCCCAGGCCGACTTCTCCATCTCCCGCTGCATGGAGGCTGGACTCGGCTTCTCCATCTCAGCCAGC  
 TGACGCCAACGGGCCGACTCCATCAAGCCAGGAGACAGCTTGCCACGTCACGCTTACTGCCACCCA  
 CCTACAGCAACTGGCTACAGTGTGGACCCTGTGGTGGCTACCAGTACAGCCAGTATGGCCAAACTGC  
 TGTTGATTACCTGGCCAAAACGTGAGCCTGTCCACACAGCGCCGATGAAGCTTGGGGAACACTCCGCT  
 GTGCTGGGACTTCTCCTGTGGAACGGGACAAGCCTAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227168 representing NM\_011039  
 Red=Cloning site Green=Tags(s)

MAALPGAVPRMMPGPGQNYPRTGFPLEVSTPLGQGRVNLGGVFINGRPLPNHIRHKIVEMAHHGIRPC  
 VISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPRQVATPDVEKKIEEYKRENPGMFSWEIRDRLKLD  
 GHCDRSTVPSVSSISRVLRIFGKEDDEEGDKKEEDGEKKAKHSIDGILGDKGNRLDEGSDVESEPDLP  
 LKRKQRRSRTTFTAEQLEELEKAFERTHYDPIYTREELAQRKLTARVQVWFSNRRARWRKQAGANQLA  
 AFNHLLPGFPPTGMPTLPPYQLPDSTYPTTITISQDGGSTVHRPQPLPPSTMHQGGLAAAAAADTSSAY  
 GARHSFSSYSDSFMNPGAPSNHMNPVSNGLSPQVMSILSNPSAVPPQPQADFISISPLHGGLDSASSISAS  
 CSQRADSIKPGDSLPTSQSYCPPTYSTTGYSVDPVAGYQYSQYGTAVDYLAKNVSLSQRRMKLGEHSA  
 VLGLLPVETGQAY

**SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDK**V

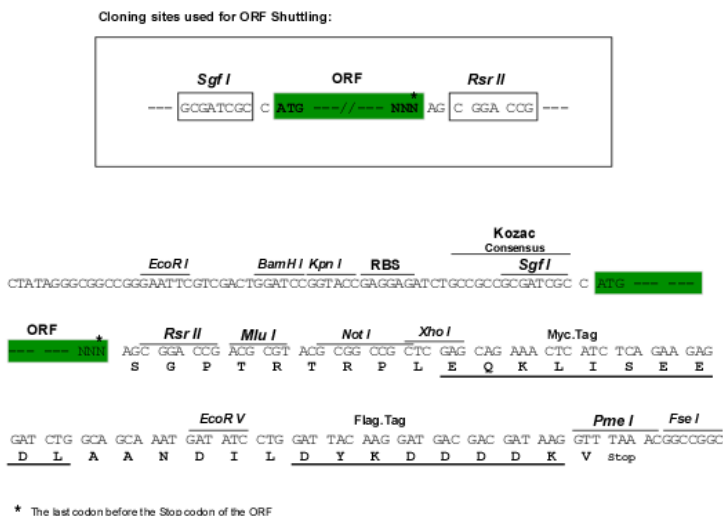
**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9036\\_d12.zip](https://cdn.origene.com/chromatograms/mm9036_d12.zip)

**Restriction Sites:**

Sgfl-RsrII

Cloning Scheme:



ACCN: NM\_011039

ORF Size: 1509 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\\_011039.2](#), [NP\\_035169.1](#)

RefSeq Size: 4275 bp

RefSeq ORF: 1512 bp

Locus ID: 18509

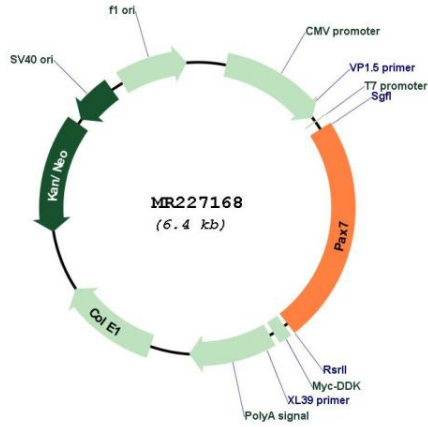
UniProt ID: [P47239](#)

Cytogenetics: 4 70.83 cM

**MW:** 55.4 kDa

**Gene Summary:** Transcription factor playing a role in myogenesis through regulation of muscle precursor cells proliferation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR227168