

Product datasheet for **MG227168**

Pax7 (NM_011039) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax7 (NM_011039) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pax7
Synonyms:	Pax-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227168 representing NM_011039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGCTGCCCGGCGGGTCCCCAGGATGATGAGACCCGGCCCGGGCAGAACTACCCGCGCACCG
 GCTTCCCCCTGGAAGTGTCCACCCTCTTGGCCAAGGCCGGTCAATCAGCTTGGTGGGGTCTTCATCAA
 CGGTGACCCCTGCCGAACCACATCCGTACAAGATAGTGAAATGGCCACCATGGCATCCGGCCCTGC
 GTCATCTCCCGTCAGCTCCGTGTTTCCCATGGTTGTGTCTCCAAGATTCTGTGCCGATATCAGGAGACTG
 GGTCCATCCGGCCCGGGCTATCGGAGGACGAAAGCCAGACAGGTGGCGACTCCGGATGTGGAGAAAA
 GATTGAGGAGTATAAGAGAGAGAACCCCGGATGTTTCCAGCTGGGAAATCCGGGACCGGCTGCTGAAGGAC
 GGTCACTGCGACCAAGCACGGTCCCTCAGTGTGATTAGCCGAGTGTCTCAGAATCAAGTTCCGGGA
 AGAAAGAGGACGACGAGGAAGGAGACAAGAAAGAAGAAGTGGCGAGAAGAAAGCCAAACACAGCATCGA
 TGGCATCTGGGCGACAAAGGGAACCGTCTGGATGAGGGCTCAGATGTGGAATCAGAACCCGACCTCCCC
 CTGAAGCGCAAGCAGCGCCGAGTCGGACCACGTTACAGCCGAGCAGCTGGAGGAGCTGGAGAAGGCTT
 TCGAGAGGACCCACTACCCGGACATCTACACCCGGGAGGAGCTGGCACAGAGGACCAAGCTCACGGAGGC
 ACGCGTCCAGGTCTGGTTCAGTAACCCGGCGTGCCTGGCGTAAGCAGGCAGGAGCTAACCCAGCTGGCC
 GCCTTCAACCACCTTCTGCCGGGAGTTTCCCACCCACCGGATGCCACGCTGCCACCCTACCAGCTGC
 CGGACTTACCTACCCACCCACCACCATCTCCCAAGATGGAGGCAGCACAGTACACAGGCCCCAGCCCT
 TCCGCCATCAACCATGCATCAGGGTGGGCTGGCTGCGGCCGCTGCAGCAGCGGACACCAGCTCTGCCTAC
 GGAGCCCGCCACAGCTTCTCCAGCTACTCTGACAGCTTTCATGAACCCTGGGGTCCCTCCAACCACATGA
 ACCCTGTACGAATGGCCTGTCTCCTCAGTTCATGAGCATCCTTAGCAACCCGAGTGGCGTGCCTCCACA
 GCCCCAGGCCGACTTCTCCATCTCCCGCTGCATGGAGGCTGGACTCGGCTTCTCCATCTCAGCCAGC
 TGCAGCCAACGGGCCGACTCCATCAAGCCAGGAGACAGCTTGCCACGTCCTCCAGTCTTACTGCCACCCA
 CCTACAGCACCCTGGCTACAGTGTGGACCCTGTGGTGGCTACCAGTACAGCCAGTATGGCCAAACTGC
 TGTTGATTACCTGGCCAAAAACGTGAGCCTGTCCACACAGCGCGTATGAAGCTTGGGGAACACTCCGCT
 GTGCTGGGACTTCTTCTGTGGAACGGGACAAGCCTACAGCGGACCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227168 representing NM_011039
 Red=Cloning site Green=Tags(s)

MAALPGAVPRMMPGPGQNYPRTFPFLVSTPLGQGRVNQLGGVFINRPLPNHIRHKIVEMAHHGIRPC
 VISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPRQVATPDVEKKIEEYKRENPMFMSWEIRDRLKLD
 GHCDRSTVPSVSSISRVLRIFGKKEDEEGDKKEEDGEKAKHSIDGILGDKGNRLDEGSDVESEPDLP
 LKRKQRRSRTTFTAEQLEELEKAFERTHYPDIIYTRELAQRTKLTARVQVWFSNRRARWRKQAGANQLA
 AFNHLLPGGFPTGMPPLPPYQLPDSTYPTTTISQDGGSTVHRPQPLPSTMHQGLAAAAAADTSSAY
 GARHSFSSYSDFMNPAGPSNHMNPVSNGLSPQVMSILSNPSAVPPQPQADFISPLHGGLDSASSISAS
 CSQRADSIKPGDSLPTSQSYCPPTYSTTGYSVDPVAGYQYSQYQQTAVDYLAKNVSLSTQRRMKLGEHSA
 VLGLLPVETGQAYSGP

SGP**TRRRLE** - GFP Tag - V

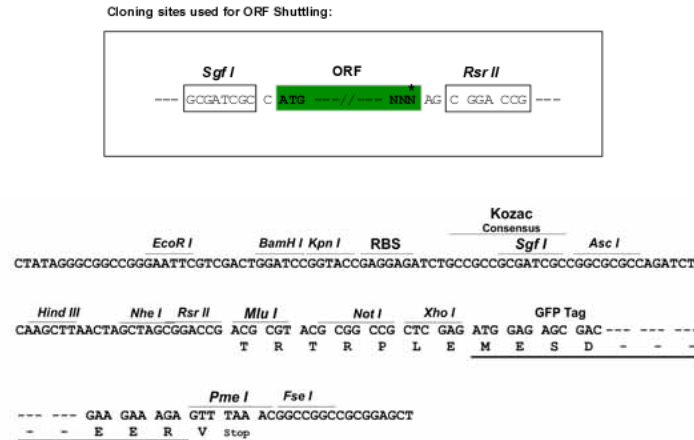
Chromatograms:

https://cdn.origene.com/chromatograms/ja1747_e07.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_011039

ORF Size: 1518 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

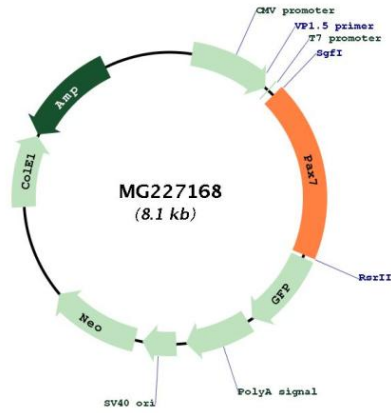
UniProt ID: [P47239](#)

Cytogenetics: 4 70.83 cM

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 MG227168