

## Product datasheet for **RN216801**

### **Pax7 (NM\_001191984) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pax7 (NM_001191984) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pax7
Synonyms:	RGD1564360
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN216801 representing NM\_001191984  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCGCTGCCCGCGCGGTCCCCAGGATGATGAGACCCGGCCCGGGCAGAACTACCCGCGCACCG  
 GCTTCCCCTGGAAGTGTCCACCCTCTTGCCCAAGGCCGGTCAATCAGCTTGGTGGGGTCTTCATCAA  
 CGGGCGACCCCTGCCGAACCATATCCGGCACAAGATAGTGAAATGGCCACCACGCGATCCGGCCCTGC  
 GTCATCTCCCGTCAGCTCCGCGTATCCCATGGCTGTGTCTCCAAGATTCTGTGCCGGTACCAGGAGACTG  
 GGTCCATCCGGCCCGGGCCATCGGTGGCAGCAAGCCAGACAGGTGGCGACTCCGGATGTGGAGAAAAA  
 GATTGAGGAGTAAAGAGGGAGAACCCCGGAATGTTTCAGCTGGGAAATCCGGGACCGGCTGTGAAGGAC  
 GGCCACTGTGACCGCAGCACGGTGCCCTCAGTGAGTTCGATTAGCCGAGTGCTCAGAATCAAGTTCGGGA  
 AGAAAGAGGACGATGAGGAAGGAGACAAAAGGAAGAAGATGGCGAGAAGAAAGCCAAACACAGCATCGA  
 TGGCATCTGGGCGACAAAGGCAACCGTCTTGATGAAGGCTCGGACGTGGAATCAGAACCCGACCTCCCA  
 CTGAAGCGTAAGCAGCGTCGACGTCGGACCACATTCACGGCTGAGCAGCTGGAGGAGCTGGAGAAGGCTT  
 TCGAGAGGACCCACTACCCGGACATCTACACCCGGGAGGAGCTGGCACAGAGGACCAAGCTCACGGAGGC  
 ACGCGTCCAGGTCTGGTTCAGTAACCGTCGTGCGCGCTGGCGCAAGCAGGCAGGCCTAACCCAGCTGGCC  
 GCCTTCAACCACCTTCTGCCGGGAGGTTTCCACCCACTGGTATGCCACGCTGCCACCTACCAGCTGC  
 CGGACTCTGCCTATCCCACCACCACCGTCTCCAAGATGGGGGCAGCACAGTACACAGGCCCCAGCCCCT  
 TCCGCCATCAACCATGCATCAGGGTGGCTGGCTGCGGCCGCTGCAGCAGCTGACAGCAGCTCTGCCTAC  
 GGAGCCCGCCACAGCTTCTCCAGCTACTCGGACAGCTTCATGAACCCCGGGGCCCTCCAACCACATGA  
 ACCCGTTCAGCAATGGCTGTCTCCTCAGGTGATGAGCATTCTCAGCAACCCGAGTGCTGTGCCACACA  
 GCCCCAGGCCGACTTCTCCATCTCCCGCTGCATGGAGGCTGGACTCTGCCTCCTCCATCTCAGCCAGT  
 TGCAGCCAGCGGCCGACTCCATCAAGCCAGGAGACAGCTTGCCACCTCCAGTCTTACTGCCACCCA  
 CCTACAGCACCACGGGTACAGTGTGGACCCTGTGGCTGGTTACCAGTACAGCCAGTACGGTCAAACCTGC  
 TGTTGATTACCTGGCCAAAACGTGAGCCTGTCTACACAGCGCCGTATGAAGCTCGGGGAACACTCCGCG  
 GTGCTGGGACTTCTTCTGTGGAGACGGGACAAGCCTAC**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001191984

**Insert Size:** 1512 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\_001191984.1, NP\_001178913.1

**RefSeq Size:** 1512 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 500574

**Cytogenetics:** 5q36