

Product datasheet for **RN214647**

Pax6 (NM_013001) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax6 (NM_013001) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pax6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214647 representing NM_013001 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCAGAACAGTCACAGCGGAGTGAATCAGCTTGGTGGTCTTTGTCAACGGGGCGGCCACTGCCGGACT
CCACCCGGCAGAAGATCGTAGAGCTAGCTCACAGCGGGGCCGGCCGTGCGACATTTCCCGAATTCTGCA
GGTGTCCAACGGATGTGTGAGTAAAATTCTGGGCAGGTATTACGAGACTGGCTCCATCAGACCCAGGGCA
ATCGGAGGCAGTAAGCCAAGAGTGGCGACTCCAGAAGTTGTAAGCAAAATAGCCAGTATAAACGGGAGT
GCCCGTCCATCTTTGCTTGGAAATCCGAGACAGATTACTCTCCGAGGGGTCTGTACCAACGACAATAT
ACCCAGTGTGTCATAAAACAGAGTTCTTCGCAACCTGGCTAGCGAAAAGCAACAGATGGGCGCAGAC
GGCATGTATGATAAACTAAGGATGCTGAACGGACAGACCCGAAGCTGGGGCACCCGCCCTGGTTGGTATC
CCGGGACGTCAGTACCAGGGCAACCCACGCAAGACGGCTGCCAGCAACAGGAAGGACAGGGAGAAAAAC
CAACTCCATCAGCTCCAATGGAGAAGACTCGGATGAGGCTCAAATGCGGCTGCAGCTGAAGCGGAAGCTG
CAGAGAAATAGAACATCTTTACCCAGGAGCAGATTGAGGCTCTGGAGAAAGAGTTTGAGAGGCCATT
ATCCAGATGTGTTTGGCCGGGAAAGACTAGCAGCCAAAATAGATCTACCTGAAGCAAGGATACAGGTGTG
GTTTTCTAACCGAAGGGCCAAGTGGAGAAGAGAAGAAAACTGAGGAACAGAGAAGACAGGCCAGCAAC
ACCCCGAGTCACATCCCTATCAGCAGCAGTTTTCAGTACCAGTGTCTACCAGCCAATTCACAGCCCA
CACCTGTCTCCTCTTACATCGGGTCCATGTTGGGCCGACAGACACCGCCCTACCAACACGTACAG
TGCTTTGCCGCGGATGCCAGCTTACCATGGCAAATAACCTGCCTATGCAACCCCGAGTCCCGAGTCAG
ACCTCCTCGTACTCCTGCATGCTGCCACCAGCCCTTCAGTGAATGGGCGGAGTTATGATACCTACACCC
CTCCGCACATGCAAACACACATGAACAGTCAGCCCATGGGCACCTCGGGAACCACTTCAACAGGACTCAT
TTCACCTGGAGTGCAGTTCCTCGTCCAAGTTCCTCGGAAGTGAACCTGACATGTCTCAGTACTGGCCTCGA
TTACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



ACCN:	NM_013001
Insert Size:	1269 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:	<ol style="list-style-type: none">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:	<u>NM_013001.2</u> , <u>NP_037133.1</u>
RefSeq Size:	2191 bp
RefSeq ORF:	1269 bp
Locus ID:	25509
UniProt ID:	<u>P63016</u>
Cytogenetics:	3q33
Gene Summary:	homeodomain (HD)-containing transcription factor; may play a role in the differentiation of the hindbrain somatic (SM) motoneurons and V1 interneurons in the hindbrain and/or spinal cord [RGD, Feb 2006]