

## Product datasheet for **RR208976**

### Pax5 (NM\_001109261) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pax5 (NM\_001109261) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pax5  
**Synonyms:** RGD1565236  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR208976 representing NM\_001109261  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATTTAGAGAAAAATTACCCAACCTCTCGGACCATCAGGACAGGACATGGAGGAGTGAATCAGCTTG  
 GGGGGTTTTTGTGAATGGACGGCCACTCCAGATGTAGTCCGCCAAAGGATAGTGAAC TTGCCATCA  
 AGGTGTCAGGCCCTGCGACATCTCCAGGCAGCTTCGGGTAGCCATGGTTGTGTCAGCAAATTCTTGGC  
 AGGTATTATGAGACAGGAAGCATCAAGCCGGGGTGATCGGAGGATCAAACCAAAGTTGCCACTCCCA  
 AAGTGGTGGAAAAATCGCTGAGTACAAACGCCAAAATCTACCATGTTTGCCTGGGAGATCAGGGACCG  
 GCTGCTGGCAGAGCGAGTGTGTGACAATGACACAGTGCCAGTGTGAGCTCCATCAACAGGATCATCCGG  
 ACAAAAAGTACAGCAGCCCCCAATCAGCCGGTCCAGCTTCCAGTACAGCATAGTGTCTACAGGCTCCG  
 TGACGCAGGTGTCGTCGGTGAGCACCGACTCTGCAGGCTCCTCGTACTCCATCAGCGGCATCCTGGGCAT  
 CACGTCCCCCAGTGCCGACCAACAAGCGCAAGAGGGATGAAGGTATTCAGGAGTCTCCCGTGCCGAAT  
 GGCCACTCACTTCCAGGCCGAGACTTCTCCGAAAGCAGATGCGGGGAGATCTGTTACACAGCAGCAGC  
 TGGAGGTGCTGGACCGCTGTTTCGAGAGACAGCACTACTCAGACATCTTACCACCACGGAGCCCATCAA  
 GCCAGAGCAGACCACAGAGTATTCAGCCATGGCTTCACTGGCTGGAAGCCTGGATGATATGAAAGCCAAC  
 TTGACAAGCCCCACCCCGCTGACATCGGGAGCAGCGTTCCAGGCCCGCAGTCTACCCCATTTGTACAG  
 GCCGAGACTTGGAAGCACGACCCCTTCCGGGGTACCCTCCGACAGTCCCCCGCTGGACAGGGCAGTCA  
 CTCTGCACCGACGCTGACAGGGATGGTGCCTGGGAGCGAATTTTCTGGGAGTCCCTACAGCCACCCTCAA  
 TATTCCTCTACAATGATTATGAGGTTCCCCAACCCAGGGCTGCTCGGCTCCCCATACTATTACAGCG  
 CCGCAGCCGAGGAGCCGCCACCAGCCGAGCCACCGCTACGACCGCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

**Protein Sequence:** >RR208976 representing NM\_001109261  
Red=Cloning site Green=Tags(s)

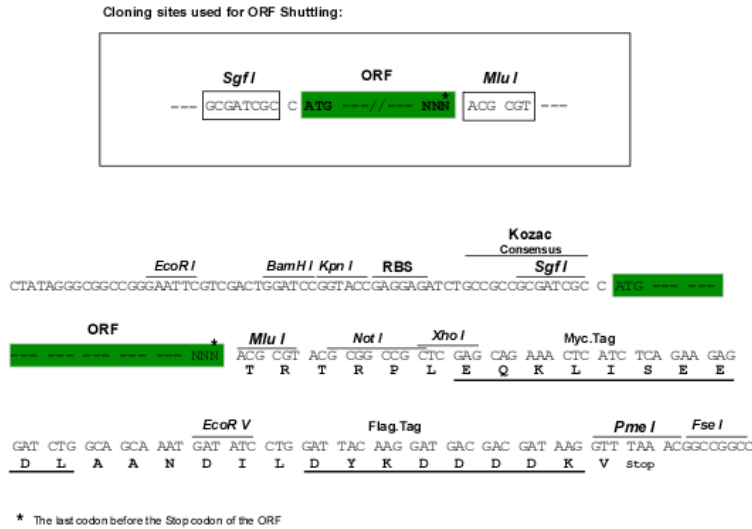
MDLEKNYPTPRITRTGHGGVNQLGGVFNVRPLPDVVRQRIVELAHQGVRPCDISRQLRVSHGCVSKILG  
 RYYETGSIKPGVIGGSKPKVATPKVVEKIAEYKRQNPTMFAWEIRDLLAERVCDNDTPSVSSINRIIR  
 TKVQQPPNQVPASSHSIVSTGSVTQVSSVSTDSAGSSYSISGILGITSPSADTNKRKRDEGIQESPVPN  
 GHSLPGRDFLRKQMRGDLFTQQQLEVLDRVFERQHYSYDIFTTTEPIKPEQTTEYSAMASLAGSLDDMKAN  
 LTSPTPADIGSSVPGPQSYPIVTRDLASTTLPGYPPHVPPAGQGSYSAPTLTGMVPGSEFSGSPYSHQP  
 YSSYNDSWRFPNPGLLGGSPYYYSAAARGAAPPAATAYDRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2660\\_b07.zip](https://cdn.origene.com/chromatograms/ja2660_b07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001109261

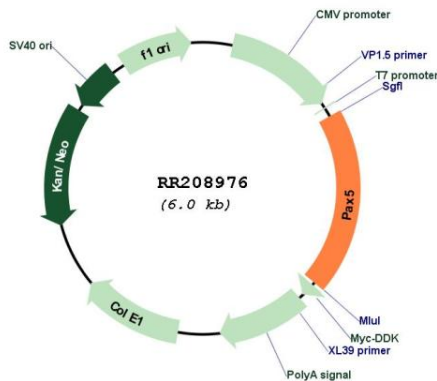
**ORF Size:** 1173 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_001109261.1, NP_001102731.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 1208 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1176 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 500453                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 5q22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>                    | 42.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Product images:**



Circular map for RR208976