

## Product datasheet for MC209139

### Pax2 (NM\_011037) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pax2 (NM_011037) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pax2
Synonyms:	Opdc; Pax-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209139 representing NM_011037 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATATGCACTGCAAAGCAGACCCCTTCTCCGCGATGCACCCAGGGCACGGGGTGTGAACCAGCTCG  
GGGGGTGTTGTGAACGGCCGGCCCTACCCGACGTGGTGAGGCAGCGCATCGTGGAGCTGGCCACCA  
GGGTGTGCGGCCCTGTGACATCTCCCGCAGCTGCGGGTCAGCCATGGCTGTGTCAGCAAATCCTGGGC  
AGGTAACGAGACTGGCAGCATCAAGCCCGGAGTGATTGGTGGCTCCAAGCCAAAGGTGCAACGCCCA  
AAGTGGTGGACAAGATTGCCGAATACAAGCGACAGAACCCTGACTATGTTCCGCTGGGAGATCCGTGACAG  
GCTGCTAGCCGAGGGCATCTGCGATAATGACACAGTTCCTCAGTGTCTCATCCATCAACAGGATCATCCGG  
ACCAAAGTTCAGCAGCCTTCCACCCAACGCCGGATGGGGCAGGGACAGGAGTACTGCCCCCGGCCACA  
CCATCGTTCAGCAGCGCCCTCCCTCCTGTTCCAGCGCCTCTAACGACCCAGTGGGATCCTACTCCAT  
CAACGGGATCCTGGGGATTCTCGCTCCAACGGTGAGAAGAGGAAACGCGAGGAAGATGTGTCTGAGGGC  
TCTGTCCCTAATGGAGACTCCAGAGTGGTGTGGACAGTTTGCAGGACACCTGCGAGCCGACACCTTCA  
CCCAGCAGCAGCTGGAAGCTCTGGATCGAGTCTTTGAGCGTCTTCCATCCCGATGTCTCCAGGCATC  
AGAGCACATCAAATCAGAACAGGGGAATGAATACTCTCTCCAGCCCTGACCCCTGGGCTTGATGAAGTC  
AAGTCCAGTCTATCTGCATCGGCCAACCCTGAGCTGGGCAGCAATGTGTGAGGCACACAGACGTACCCCG  
TTGTGACCGGTGCTGATATGACGAGCACCCTACTACCTGGTTACCCCTCATGTGCCCCCACTGGCCA  
GGGAAGCTACCCTACCTCCACCTGGCAGGAATGGTGCCTGGGAGCGAGTTCTCAGGCAACCCATACAGC  
CATCCCCAGTACCCGCTACAATGAGGCTTGGAGATTGAGCAACCCCGCCTTACTAAGTCCCCTTATT  
ATTATAGTGCCGCCCGGGCTCCGCCCTGCCGCTGCTGCCGCTGCCTATGACCGCCACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



<b>ACCN:</b>	NM_011037
<b>Insert Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>	<a href="#">NM_011037.4</a> , <a href="#">NP_035167.4</a>
<b>RefSeq Size:</b>	3029 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	18504
<b>UniProt ID:</b>	<a href="#">P32114</a>
<b>Cytogenetics:</b>	19 38.09 cM
<b>Gene Summary:</b>	Transcription factor that may have a role in kidney cell differentiation.[UniProtKB/Swiss-Prot Function]