

## Product datasheet for **MC209141**

### Pax4 (NM\_001159925) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pax4 (NM\_001159925) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pax4  
**Synonyms:** Pax-4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209141 representing NM\_001159925  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCAGGACGGACTCAGCAGTGTGAATCAGCTAGGGGACTCTTTGTAATGGCCGGCCCTTCCTC  
TGGACACCAGGCAGCAGATTGTGCAGCTAGCAATAAGAGGGATGCGACCCTGTGACATTTACGGAGCCT  
TAAGGTATCTAATGGCTGTGTGAGCAAGATCCTAGGACGCTACTACCGCACAGGTGTCTTGAACCAAG  
TGTATTGGGGAAAGCAAACACGCTCTGGCCACACCTGCTGTGGTGGCTCGAATTGCCAGCTAAAGGATG  
AGTACCCTGCTCTTTTGCCTGGGAGATCCAACACCAGCTTTGCACTGAAGGGCTTTGTACCCAGGACAA  
GGCTCCCAGTGTGCTCTATCAATCGAGTACTTCGGGCACTTCAGGAAGACCAGAGCTTGCACTGGACT  
CAACTCAGATCACCAGCTGTGTTGGCTCCAGTTCTTCCAGTCCCACAGTAACTGTGGGGCTCCCCGAG  
GTCCCCACCCAGGAACCAGCCACAGGAATCGGACTATCTTCTCCCGGGACAAGCCGAGGCACTGGAGAA  
AGAGTTTCAGCGTGGGCAGTATCCAGATTCAGTGGCCCGTGGGAAGCTGGCTGCTGCCACCTCTCTGCCT  
GAAGACACGGTGGGGTTTGGTTTTCTAACAGAAGAGCCAAATGGCGCAGGCAAGAGAAGCTGAAATGGG  
AAGCACAGCTGCCAGGGATCATCTGCAAGCAGTCCCCGGCAGTGTACCCTCAGTGCCTTGCCTGTG  
GCTGGAACCATGAGTCCTTCTTCTGTGAGCTATGCTGTGGGACAGCACCAGGCAGATGTTCCAGTGAC  
ACCTCATCCCAGGCCTATCTCCAACCCTACTGGGACTGCCAATCCCTCCTTCTGTGGCTTCTCTCAT  
ATGTGGAATTTGCCTGGCCCTGCCTCACCACCCATCCTGTGCATCATCTGATTGGAGGCCAGGACAAGT  
GCCATCAACCCATTGCTCAAACCTGGCC**TAA**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001159925



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<b>Insert Size:</b>	1011 bp
<b>OTI Disclaimer:</b>	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).
<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><a href="#">NM_001159925.1</a></u> , <u><a href="#">NP_001153397.1</a></u>
<b>RefSeq Size:</b>	1339 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	18506
<b>UniProt ID:</b>	<u><a href="#">P32115</a></u>
<b>Cytogenetics:</b>	6 11.99 cM
<b>Gene Summary:</b>	<p>Plays an important role in the differentiation and development of pancreatic islet beta cells. Transcriptional repressor that competes with PAX6 in binding to a common element in the glucagon, insulin and somatostatin promoters.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>