

Product datasheet for MC209142

Pax4 (NM_001159926) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pax4 (NM_001159926) 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: >MC209142 representing NM_001159926
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCAGGACGGACTCAGCAGTGTGAATCAGCTAGGGGACTCTTTGTAATGGCCGGCCCTTCCTC
 TGGACACCAGGCAGCAGATTGTGCAGCTAGCAATAAGAGGGATGCGACCCTGTGACATTCACGGAGCCT
 TAAGGTATCTAATGGCTGTGTGAGCAAGATCCTAGGACGCTACTACCGCACAGGTGTCTTGAACCCAAG
 TGTATTGGGGAAAGCAAACCACGTCTGGCCACACCTGCTGTGGTGGCTCGAATTGCCAGCTAAAGGATG
 AGTACCCTGCTCTTTTGCCTGGGAGATCCAACACCAGCTTTCGACTGAAGGGCTTTGTACCCAGGACAA
 GGCTCCCAGTGTGCTCTATCAATCGAGTACTTCGGGCACTTCAGGAAGACCAGAGCTTGCAGTGGACT
 CAACTCAGATCACCAGCTGTGTTGGCTCCAGTTCCTCCAGTCCCACAGTAAGTGTGGGCTCCCCGAG
 GTCCCCACCCAGGAACCAGCCACAGGAATCGGACTATCTTCTCCCGGGACAAGCCGAGGCACTGGAGAA
 AGAGTTTCAGCGTGGGCAGTATCCAGATTCAGTGGCCCGTGGGAAGCTGGCTGCTGCCACCTCTCGCT
 GAAGACACGGTGAGGGTTTGGTTTTCTAACAGAAGAGCCAAATGGCGCAGGCAAGAGAAGTAAAATGGG
 AAGCACAGCTGCCAGGGATCATCTGCAAGTCCCCCGGCAAGTACCCTCAGCTGCCTGCCTGTGCT
 GGAACCATTGAGTCCTTCTTCTGTGAGTATGCTGTGGGACAGCACCAGGAGATGTTCCAGTGACACC
 TCATCCCAGGCCTATCTCCAACCCTACTGGGACTGCCAATCCCTCCTTCTGTGGCTTCTCCTCATATG
 TGGAAATTTGCCTGGCCCTGCCTCACCACCATCCTGTGCATCATCTGATTGGAGGCCAGGACAAGTGCC
 ATCAACCCATTGCTCAAACCTGGCCAT**TAA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001159926



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Insert Size:	1008 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_001159926.1</u> , <u>NP_001153398.1</u>
RefSeq Size:	1336 bp
RefSeq ORF:	1008 bp
Locus ID:	18506
UniProt ID:	<u>P32115</u>
Cytogenetics:	6 11.99 cM
Gene Summary:	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] Transcript Variant: This variant (3) uses alternate in-frame splice sites in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.