

Product datasheet for MC209140

Pax4 (NM_011038) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax4 (NM_011038) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pax4
Synonyms:	Pax-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209140 representing NM_011038 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCAGGACGGACTCAGCAGTGTGAATCAGCTAGGGGGACTCTTTGTGAATGGCCGGCCCTTCCTC
TGGACACCAGGCAGCAGATTGTGCAGCTAGCAATAAGAGGGATGCGACCCTGTGACATTTACGGAGCCT
TAAGGTATCTAATGGCTGTGTGAGCAAGATCCTAGGACGCTACTACCGCACAGGTGTCTTGAACCCAAG
TGTATTGGGGGAAGCAAACCACGTCTGGCCACACCTGCTGTGGTGGCTCGAATTGCCAGCTAAAGGATG
AGTACCCTGCTCTTTTTGCCTGGGAGATCCAACACCAGCTTTGCACTGAAGGGCTTTGTACCCAGGACAA
GGCTCCCAGTGTGCTCTATCAATCGAGTACTTCGGGCACTTCAGGAAGACCAGAGCTTGCACTGGACT
CAACTCAGATCACCAGCTGTGTTGGCTCCAGTTCTTCCCAGTCCCACAGTAACTGTGGGGCTCCCCGAG
GTCCCCACCCAGGAACCAGCCACAGGAATCGGACTATCTTCTCCCCGGGACAAGCCGAGGCACTGGAGAA
AGAGTTTCAGCGTGGGCAGTATCCAGATTCAGTGGCCCGTGGGAAGCTGGCTGCTGCCACCTCTCTGCC
GAAGACACGGTGGGGTTTGGTTTTCTAACAGAAGAGCCAAATGGCGCAGGCAAGAGAAGCTGAAATGGG
AAGCACAGCTGCCAGGTGCTTCCCAGGACCTGACAGTACCAAAAAATTCTCCAGGATCATCTCTGCACA
GCAGTCCCCGGCAGTGTACCCTCAGCTGCCTTGCTGTGCTGGAACATTGAGTCCCTTCTTCTGTGCTC
CTATGCTGTGGGACAGCACCAGGCAGATGTTCCAGTGACACCTCATCCCAGGCCTATCTCCAACCTACT
GGGACTGCCAATCCCTCCTTCTGTGGCTTCTCCTCATATGTGGAATTTGCCTGGCCCTGCCTCACCAC
CCATCCTGTGCATCATCTGATTGGAGGCCAGGACAAGTGCCATCAACCCATTGTCAAACCTGGCCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_011038
Insert Size:	1050 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:	BC131906 , AAI31907
RefSeq Size:	1253 bp
RefSeq ORF:	1050 bp
Locus ID:	18506
UniProt ID:	P32115
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 (1) represents the longest transcript and encodes the longest isoform (1).