

Product datasheet for **MG205145**

Pax9 (NM_011041) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax9 (NM_011041) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pax9
Synonyms:	Pax; Pax-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205145 representing NM_011041 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCAGCCTTCGGGGAGGTGAACCAGCTGGGAGGAGTGTTCTGTAACGGAAGGCCGCTGCCCAACG
 CCATTCGGCTTCGCATCGTGAATTAGCCCAACTGGGCATCCGACCTTGTGACATCAGCCGCCAGCTACG
 GGTCTCGACGGCTGCGTCAGCAAGATCCTGGCGCGCTACAACGAGACCGGTTTCGATTTTCCGGGAGCT
 ATTGGGGGAGCAAGCCCCGGGTACCACCCCTACTGTGGTGAACACATCCGGACTTACAAGCAGAGGG
 ACCCAGGCATCTTCGCTTGGGAGATCCGGGACCGCCTGCTGGCGGATGGCGTGTGCGACAAGTACAACGT
 GCCCTCGGTGAGTTCCATCAGCCGATTCTGCGCAACAAGATCGGCAACTTGGCCAGCAGGGTCATTAC
 GACTCTTACAAGCAGCACCAGCCCGCGCGCAGCCCGCGTGCCTACAACCACATTTACTCATATCCCA
 GTCCCATCACGGCGGCAGCAGCTAAGGTGCCTACACCACCTGGGGTGCCGGCCATCCCCGGATCGGTGGC
 CTTGCCGCGCACCTGGCCCTCCTCTCACTCCGTACCGGACATTCTGGGCATCCGCTCCATCACCGACCAA
 GGAGTGAGCGACAGCTCCCCCTACCACAGCCCCAAGGTGGAGGAGTGGAGCAGCTGGGCCGCAACAACT
 TCCCTGCCGCGCCCCGACGCAGTGAATGGATTGGAGAAGGGAGCCTTGGAGCAGGAAGCCAAGTACGG
 CCAGGCACCGAATGGTCTCCAGCTGTGAGCAGTTTCGTCTCAGCATCCAGCATGGCTCCTTACCCTACA
 CCAGCCCAAGTGCACCCTACATGACCTACAGTGCTGCTCCTTCTGGTTATGTGGCTGGACATGGGTGGC
 AACATGCCGCGCAGCACCCCACTGTCCCCCACAACCTGTGACATCCCGCATCGCTGGCTTTCAAGGGAAT
 GCAGGCAGCCAGGAAGGCAGCCATTCTGTGACCGCTTCTGCACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1697_e10.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



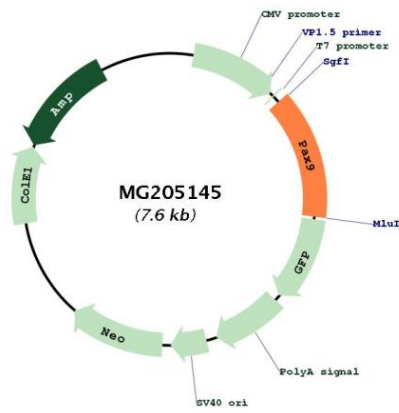
ACCN:	NM_011041
ORF Size:	1026 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_011041.1
RefSeq Size:	2574 bp
RefSeq ORF:	1029 bp
Locus ID:	18511

UniProt ID: [P47242](#)

Cytogenetics: 12 24.53 cM

Gene Summary: This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. Mice lacking this gene exhibit impaired development of organs, musculature and the skeleton, including absent and abnormally developed teeth, and neonatal lethality. Mutations in the human gene are associated with selective tooth agenesis-3. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MG205145