

## Product datasheet for **RG200380**

### **PAX9 (NM\_006194) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PAX9 (NM\_006194) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PAX9  
**Synonyms:** STHAG3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200380 representing NM\_006194  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCCAGCCTTCGGGGAGGTGAACCAGCTGGGAGGAGTGTTCTGTAACGGGAGGCCGCTGCCCAACG  
 CCATCCGGCTTCGCATCGTGGAAGTGGCCAACTGGGCATCCGACCGTGTGACATCAGCCGCCAGCTACG  
 GGTCTCGACGGCTGCGTCAGCAAGATCCTGGCGGATACAACGAGACGGGCTCGATCTTGCCAGGAGCC  
 ATCGGGGGCAGCAAGCCCGGGTCACTACCCCCACCGTGGTAAACACATCCGGACCTACAAGCAGAGAG  
 ACCCCGGCATCTTCGCCTGGGAGATCCGGGACCGCCTGCTGGCGGACGGCGTGTGCGACAAGTACAATGT  
 GCCTCCGTGAGCTCCATCAGCCGATTCTGCGCAACAAGATCGGCAACTTGGCCAGCAGGGTCATTAC  
 GACTCATAACAAGCAGCACCAGCCGACGCCGAGCCAGCGTGCCTACAACCACATCTACTCGTACCCCA  
 GCCCTATCACGGCGGGCCGCCAAGGTGCCACGCCACCCGGGGTGCCTGCCATCCCGGTTTCGGTGGC  
 CATGCCGCGCACCTGGCCCTCCTCGCACTCCGTACCCGACATCCTGGGCATCCGCTCCATCACCGACCAA  
 GTGAGCGACAGCTCCCCCTACCACAGCCCCAAGGTGGAGGAGTGGAGCAGCCTGGGCCGCAACAATTCC  
 CCGCCCGCCCCGCATGCGGTGAACGGGTTGGAGAAGGGAGCCCTGGAGCAGGAAGCCAAGTACGGTCA  
 GGCACCAAATGGTCTCCAGCTGTGGGCAGTTTTGTGTGTCAGCATCCAGCATGGCTCCTTACCCTACCCCA  
 GCCCAAGTGTGCGCTTACATGACCTACAGTGTCTCTCTTCTGGTTATGTTGCTGGACATGGGTGGCAAC  
 ATGCTGGGGCACCTCATTGTCTCCCCACAAGTGTGACATTCCGGCATCGCTGGCGTTCAAGGGAATGCA  
 GGCAGCCAGAGAAGGTAGTCATTCTGTACGGCTTCCGCGCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)



**Reconstitution Method:**

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:** [NM\\_006194.1](#), [NP\\_006185.1](#)

**RefSeq Size:** 1630 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 5083

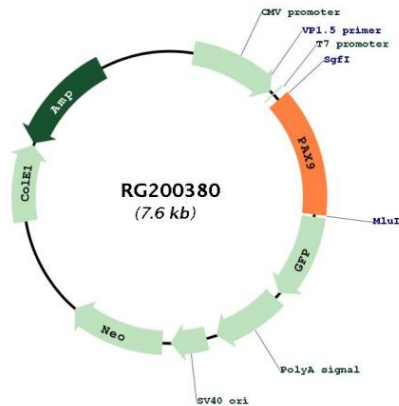
**UniProt ID:** [P55771](#)

**Cytogenetics:** 14q13.3

**Protein Families:** Druggable Genome, Transcription Factors

**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 RG200380