

### Product datasheet for RC200380L3

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

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: PAX9 (NM\_006194) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PAX9

Synonyms: STHAG3

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200380).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_006194

ORF Size: 1023 bp



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#### PAX9 (NM\_006194) Human Tagged Lenti ORF Clone - RC200380L3

**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:** 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 006194.1</u>

 RefSeq Size:
 3122 bp

 RefSeq ORF:
 1026 bp

 Locus ID:
 5083

 UniProt ID:
 P55771

Cytogenetics: 14q13.3

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

MW: 36.3 kDa

**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

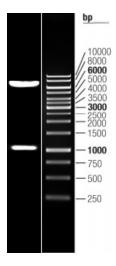
homeodomain. These genes play critical roles during fetal development and cancer growth. Mice lacking this gene exhibit impaired development of organs, musculature and the

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:**



Double digestion of RC200380L3 using Sgfl and Mlul  $\,$