

## **Product datasheet for RC205121L3**

## SOX8 (NM\_014587) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** SOX8 (NM\_014587) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: SOX8

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 of

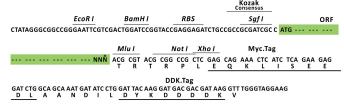
Sequence:

The ORF insert of this clone is exactly the same as(RC205121).

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_014587

ORF Size: 1338 bp



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## SOX8 (NM\_014587) Human Tagged Lenti ORF Clone - RC205121L3

**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 014587.2</u>

 RefSeq Size:
 3049 bp

 RefSeq ORF:
 1341 bp

 Locus ID:
 30812

 UniProt ID:
 P57073

**Protein Families:** Transcription Factors

16p13.3

**MW:** 47.3 kDa

Cytogenetics:

**Gene Summary:** This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription

factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein

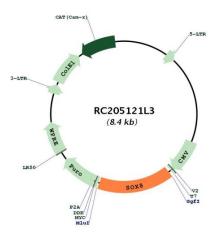
complex with other proteins. This protein may be involved in brain development and

function. Haploinsufficiency for this protein may contribute to the cognitive disability found in an alpha-thalassemia-related syndrome (ART-16). This protein is also highly expressed in the majority of human hepatocellular carcinomas and promotes cellular proliferation and

enhanced tumor growth. [provided by RefSeq, Jul 2017]



## **Product images:**



Circular map for RC205121L3