

## **Product datasheet for RC206846L3**

#### OriGene Technologies, Inc.

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### RBFOX2 (NM\_001031695) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: RBFOX2 (NM\_001031695) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: RBFOX2

Synonyms: dJ106I20.3; Fox-2; FOX2; fxh; HNRBP2; HRNBP2; RBM9; RTA

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(RC206846).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_001031695

ORF Size: 1140 bp





#### RBFOX2 (NM\_001031695) Human Tagged Lenti ORF Clone - RC206846L3

**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 001031695.2</u>

 RefSeq Size:
 6997 bp

 RefSeq ORF:
 1143 bp

 Locus ID:
 23543

 UniProt ID:
 043251

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

22q12.3

MW: 40.4 kDa

Cytogenetics:

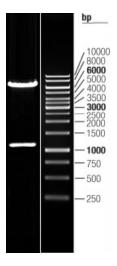
**Gene Summary:** This gene is one of several human genes similar to the C. elegans gene Fox-1. This gene

encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Jul 2008]



# **Product images:**



Double digestion of RC206846L3 using Sgfl and Mlul