

## Product datasheet for MR210448L4

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### **Qsox1 (NM 001024945) Mouse Tagged Lenti ORF Clone**

#### **Product data:**

**Product Type: Expression Plasmids** 

**Product Name:** Qsox1 (NM\_001024945) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Qsox1

1300003H02Rik; Qscn6; QSOX; SOx Synonyms:

**Mammalian Cell** Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

The ORF insert of this clone is exactly the same as(MR210448). **ORF Nucleotide** 

Sequence:

Sgfl-Mlul

**Restriction Sites: Cloning Scheme:** 





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

ACCN: NM\_001024945

**ORF Size:** 2244 bp





#### Qsox1 (NM\_001024945) Mouse Tagged Lenti ORF Clone - MR210448L4

**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 001024945.1</u>, <u>NP 001020116.1</u>

RefSeq Size: 3399 bp
RefSeq ORF: 2247 bp
Locus ID: 104009
UniProt ID: Q8BND5
Cytogenetics: 1 G3

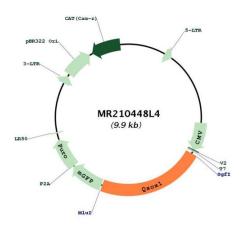
**Gene Summary:** Catalyzes the oxidation of sulfhydryl groups in peptide and protein thiols to disulfides with

the reduction of oxygen to hydrogen peroxide (PubMed:26819240). Plays a role in disulfide bond formation in a variety of extracellular proteins (PubMed:26819240). In fibroblasts, required for normal incorporation of laminin into the extracellular matrix, and thereby for normal cell-cell adhesion and cell migration (PubMed:26819240). [UniProtKB/Swiss-Prot

Function]



## **Product images:**



Circular map for MR210448L4