

Product datasheet for RC210161L3

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Homeobox protein SIX6 (SIX6) (NM_007374) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Homeobox protein SIX6 (SIX6) (NM_007374) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Homeobox protein SIX6

Synonyms: MCOPCT2; ODRMD; OPTX2; Six9

Mammalian Cell Puromycin

Selection:

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

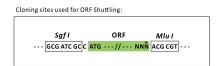
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210161).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_007374

ORF Size: 738 bp





Homeobox protein SIX6 (SIX6) (NM_007374) Human Tagged Lenti ORF Clone - RC210161L3

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 007374.1</u>

RefSeq Size: 1500 bp
RefSeq ORF: 741 bp
Locus ID: 4990

UniProt ID: <u>095475</u> Cytogenetics: 14q23.1

MW: 27.7 kDa

Gene Summary: The protein encoded by this gene is a homeobox protein that is similar to the Drosophila

'sine oculis' gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in eye development. Defects in this gene are a cause of isolated

microphthalmia with cataract type 2 (MCOPCT2). [provided by RefSeq, Jul 2008]