

Product datasheet for RR213719L4

Sod2 (NM_017051) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Sod2 (NM_017051) Rat Tagged Lenti ORF Clone

Tag:mGFPSymbol:Sod2

Synonyms: MnSOD

Mammalian Cell

Puromycin

Selection: Vector:

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

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

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RR213719).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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



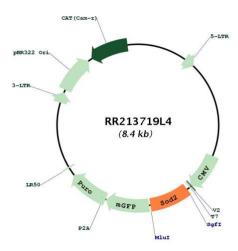
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Plasmid Map:



ACCN: NM_017051

ORF Size: 666 bp

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 017051.2</u>, <u>NP 058747.1</u>

RefSeq Size: 2090 bp RefSeq ORF: 669 bp



Sod2 (NM_017051) Rat Tagged Lenti ORF Clone - RR213719L4

 Locus ID:
 24787

 UniProt ID:
 P07895

 Cytogenetics:
 1q11

Gene Summary: manganese superoxide dismutase; intramitochondrial free radical scavenging enzyme [RGD,

Feb 2006]