

Product datasheet for RC208916L4

OriGene Technologies, Inc.

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Methionine Sulfoxide Reductase A (MSRA) (NM_012331) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Methionine Sulfoxide Reductase A (MSRA) (NM 012331) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Methionine Sulfoxide Reductase A

Synonyms: PMSR

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

Sequence:

The ORF insert of this clone is exactly the same as(RC208916).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_012331

ORF Size: 705 bp





Methionine Sulfoxide Reductase A (MSRA) (NM_012331) Human Tagged Lenti ORF Clone – RC208916L4

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 012331.2</u>

RefSeq Size: 1543 bp

RefSeq ORF: 708 bp Locus ID: 4482

UniProt ID: Q9U|68

Cytogenetics: 8p23.1

Domains: PMSR

MW: 26.1 kDa

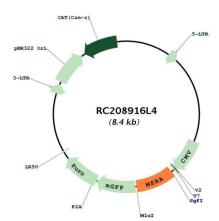
Gene Summary: This gene encodes a ubiquitous and highly conserved protein that carries out the enzymatic

reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. The protein functions in the repair of oxidatively damaged proteins to restore biological activity. Alternative splicing results in

multiple transcript variants. [provided by RefSeq, May 2014]



Product images:



Circular map for RC208916L4