

## Product datasheet for RC200972L4

## SERAC1 (NM\_032861) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Tag: mGFP

Symbol: SERAC1

Mammalian Cell Puromycin

Selection:

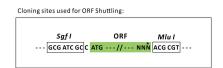
Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

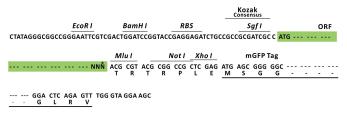
E. coli Selection: Chloramphenicol (34 ug/mL)

 $\textbf{ORF Nucleotide Sequence:} \ \ \textbf{The ORF insert of this clone is exactly the same as (RC200972)}.$ 

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_032861

ORF Size: 1962 bp



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

**RefSeq:** <u>NM\_032861.2</u>, <u>NP\_116250.2</u>

RefSeq Size: 3969 bp

RefSeq ORF: 1965 bp

**Locus ID:** 84947

UniProt ID: Q96JX3

Cytogenetics: 6q25.3

**MW:** 74.2 kDa

Gene Summary: The protein encoded by this gene is a phosphatidylglycerol remodeling protein found at the

interface of mitochondria and endoplasmic reticula, where it mediates phospholipid

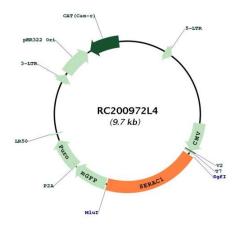
exchange. The encoded protein plays a major role in mitochondrial function and intracellular cholesterol trafficking. Defects in this gene are a cause of 3-methylglutaconic aciduria with deafness, encephalopathy, and Leigh-like syndrome (MEGDEL). Two transcript variants, one

protein-coding and the other non-protein coding, have been found for this gene. [provided by

RefSeq, Aug 2012



## **Product images:**



Circular map for RC200972L4