

Product datasheet for RC208596L3

OriGene Technologies, Inc.

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Serum Response Factor (SRF) (NM_003131) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Serum Response Factor (SRF) (NM_003131) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Serum Response Factor

Synonyms: MCM1

Mammalian Cell Puromycin

Selection:

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

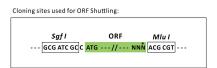
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC208596).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_003131

ORF Size: 1524 bp



Serum Response Factor (SRF) (NM_003131) Human Tagged Lenti ORF Clone - RC208596L3

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 003131.2</u>

 RefSeq Size:
 4343 bp

 RefSeq ORF:
 1527 bp

 Locus ID:
 6722

 UniProt ID:
 P11831

Cytogenetics: 6p21.1

Domains:

Protein Families: Druggable Genome, Transcription Factors

MADS

Protein Pathways: MAPK signaling pathway

MW: 51.4 kDa

Gene Summary: This gene encodes a ubiquitous nuclear protein that stimulates both cell proliferation and

differentiation. It is a member of the MADS (MCM1, Agamous, Deficiens, and SRF) box superfamily of transcription factors. This protein binds to the serum response element (SRE) in the promoter region of target genes. This protein regulates the activity of many immediate-early genes, for example c-fos, and thereby participates in cell cycle regulation, apoptosis, cell growth, and cell differentiation. This gene is the downstream target of many pathways; for example, the mitogen-activated protein kinase pathway (MAPK) that acts through the ternary complex factors (TCFs). Two transcript variants encoding different isoforms have been found

for this gene. [provided by RefSeq, May 2014]