

Product datasheet for **RR208299**

Sos2 (NM_001135561) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sos2 (NM_001135561) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sos2
Synonyms: Sos1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208299 representing NM_001135561
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

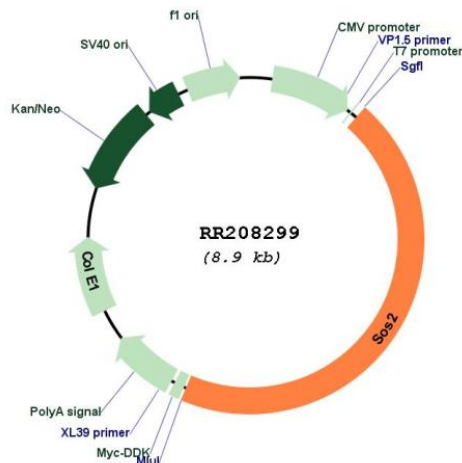
ATGCAGCAGGCGCCGAGCCCTACGAGTCTTCAGCGAAGAGAACAGCCCGAAATGGCGGGGACTGTTGG
TCCCGGCCCTGCGGAAGTTTCAGGAGCAAGTGCACCCACCTGTCCGGTAACGAAGAGTCTCTCTATTA
CATCGAAGAACTCATCTTCAACTGCTCAATAAGCTGTGCTCAACCGAGGACTGTCAAGATGTT
GAGGAACGAGTTCAAAGACTTTTCCTCATCTATTGATAAATGGCAATTGCTGATGCACAGTCTGCCA
TAGAGAAAACGAAAACGAAGAAATCCTCTTACTACCTGTGGACAAAATCCATCCTTCTTGAAGGAAGT
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CAGAGTTAATGACCACTTCAGCAAGTTGATGGCCAGACCTGCAGTTGCTCTGCACTTTCAGTCCATTGC
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AATTAGTATCCAAAGATGAAAACAGTGTAAATTTTGTGCAAGTCAGCTGAAGAGAAAAACAACCTGGAT
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CACTAGTTCCTCCTCCGCTTCCCCTCGGAAAAGTTTGATCACGATGCTCCGAACCTCAAGGGAGCTAT
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CCTGTCTCACGGGTACATTTGAAGGGCTGTGCCAGTCCACCTCCACCTCTCCAGAGACCCTCTTC
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AGCACTCTCCCCCTACGCCCTCGCCACGGATTCCACGCAGATGCCATTTGCCAGCCCCAGTCACAACA
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ACCAAAGACTTACAAGCGGGAGCTTTCACACCCGCATTGTACAGACTACCTTTGTTTGAATAATGCAGAA
ACTCCTCAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001135561

ORF Size: 3999 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: [NM_001135561.1](#), [NP_001129033.1](#)

RefSeq Size: 5365 bp

RefSeq ORF: 4002 bp

Locus ID: 85384

Cytogenetics: 6q24

MW: 153.2 kDa

Gene Summary: mRNA expression increases after chronic clozapine treatment in the prefrontal cortex; may play a role in synaptic function [RGD, Feb 2006]