

## Product datasheet for MC224258

### Sos2 (NM\_001135559) Mouse Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Sos2 (NM_001135559) Mouse Untagged Clone   |
| Tag:                 | Tag Free   |
| Symbol:              | Sos2   |
| Synonyms:            | mSOS-2; SOS-2  |
| Vector:              | pCMV6-Entry (PS100001)   |
| E. coli Selection:   | Kanamycin (25 ug/mL)   |
| Cell Selection:      | Neomycin   |
| Fully Sequenced ORF: | >MC224258 representing NM_001135559<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCAGGCGCCGAGCCCTACGAGTCTTCAGCGAAGAAAACAGCCCGAAATGGCGGGGACTATTGG  
TCCCGGCCCTGCGGAAGTTTCAGGAGCAAGTACATCCCACCTCTCAGCTAATGAAGAGTCTCTCTATTA  
TATTGAAGAACTGATTTTTCAGCTGCTTAATAAGCTATGCATGGCTCAACCAAGGACTGTCAAGATGTT  
GAGGAACGAGTTCAAAGACCTTTCCTCATCCTATTGATAAATGGCAATTGCTGATGCACAATCTGCTA  
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TGTCATGTGTGCAGATAAGGTTTTGATGGACATGTTTCGATCAGGATGATGATATAGGCTTGGTTTCTCT  
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CATTACTTTGAATTATTAAGTTGAAGGCATGCAGTGAAGAGCAGGAGGACAAAGAGTGCCTGAATCAGG  
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TAGTGTCCAAAGATGAAAACAGTGAATATTTGCTGCCAAATCAGCTGAAGAGAAAAACAACCTGGATGGC  
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 AATGAGCAGCCCCGAGGCTACCCAGTCCAGATATGTATCGCTTTGTGGTAACAGACTCTGAGGAAAAACA  
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 GATCGAAAGGCTAACATACCACATGTATGCAGATCCCAATTTTGTTCGTAATTTTCTTACTACATATCGT  
 TCATTTTGTAAACCACAGGAATTGCTAACTTGTCTGATAGAACGGTTTGAATTCAGAACCCAGAACCTA  
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 GGAATACGTCCAACCTGTGCAGCTTAGGGTCTTGAATGTCTTTGCCACTGGGTTGAGCATCATTATTAT  
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 GTTTGAGGCACTGCAGGAAAGGAAGCGGAGAATTTGGATGACGCTGTGGAACCTAAGTCAGGACCCTTT  
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 ATATTCTGAAGACTGAAGAAGGGAACAGTGACTTTCTAAAGAGGAAAGGAAAGATTTGATCAATTTGAG  
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 GAAGTCAACCTTTTCTTAAAATCTCTGGAATAAGGCCAATGCTGGCCGCTTACCTACCTCAGGC  
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 ATCTGATGATGACCTCTGCTATTCCACCAAGACAGCCCTCCTCCGAAGTAAAGCCAAGAGTTCT  
 GTCCTCATGGGTACATTTGATGGCCTGTGCCAGTCCACCTCCACCTCCTCAAGAGACCTCTTCTCTG  
 ATACCCCTCCACCAGTTCCTCTCGGCCTCCGGAACACTTATAAACTGTCCATTTAATCTTCAGCCGCC  
 TCCACTGGGCCATCCTCACAGAGACCCAGACTGGCTCAGAGACGTGAGCAGTGTCTAATCACCAGC  
 ACTCCTCCACTACGCCCTCTCCACGGATTCCACGCAGCTGTCACTTGTCTCAGCTCCAGTCCAGCAGCC  
 TTGCTCATCTTCCAGCTCCTCTGTCCACCAAGGCAGAAATCAAGCCCTCTTACCAAAGCTGCCACC  
 AAAGACTTACAAACGGGAGCTTTCCACCCGCCACTGTATAGACTGCCTCTGCTGGAAAATGCAGAACT  
 CCTCAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001135559

**Insert Size:**

3999 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001135559.1](#), [NP\\_001129031.1](#)

**RefSeq Size:** 5612 bp

**RefSeq ORF:** 3999 bp

**Locus ID:** 20663

**Cytogenetics:** 12 28.93 cM

**Gene Summary:** Promotes the exchange of Ras-bound GDP by GTP.[UniProtKB/Swiss-Prot Function]