

## Product datasheet for MR201662

### Ssr2 (NM\_025448) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ssr2 (NM\_025448) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ssr2  
**Synonyms:** 1500032E05Rik; AI315033; AU020133; TLAP; TRAPB; TRAPbeta  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201662 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGCTGCTGGCGTTGTGGTGTGGCTCTGTTAGCCGTCAGTCAAGCAGAAGAAGGAGCCAGGCTTT  
 TGGCCTCAAATCATTGCTCAACAGATACGCTGTGGAAGGGAGGGACCTGACCCTGCAGTATAACATCTA  
 CAACGTCGGCTCCAGCGCTGCATTAGATGTGGAATTATCTGACGATTCTTCCCTCCAGAAGACTTCGGC  
 ATTGTCTCGGTATGCTCAATGTCAAATGGGACCGGATTGCCCGCTAGCAATGTCTCCACACAGTTG  
 TCCTGCGTCTCTCAAAGCTGGCTACTTCAACTCACTTCTGCCACGATTACTTACCTGGCCAGGAGGA  
 TGGACCTGTTGTATTGGCTCCACCAGCGCCCCTGGACAGGGAGGAATCCTCGCTCAGCGGGAGTTTGAC  
 AGGAGATTCTCCCCCATTCTTCTGGACTGGGCAGCCTTTGGGGTCATGACCTTGCCCTCCATAGGCATGC  
 CCTGCTCCTGTGGTATTCCAGCAAGAGGAAGTACGATACTCCCAAACCAAGAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201662 protein sequence  
 Red=Cloning site Green=Tags(s)

MRLLAVVVLALLAVSQAEEGARLLASKSLLNRYAVEGRDLTLQYNIYVNGSSAALDVELSDDSFPPEDFG  
 IVSGMLNVKWDRIAPASNVSHTVVLRPLKAGYFNFTSATITYLAQEDGPVVIGSTSAPGQGGILAQREFD  
 RRFSPHFLDWAAFGVMTLPSIGMPLLLWYSSKRKYDTPKPKKN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



Cloning Scheme:



ACCN: NM\_025448

ORF Size: 552 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\\_025448.1](#), [NM\\_025448.2](#), [NM\\_025448.3](#), [NP\\_079724.1](#)

RefSeq Size: 1183 bp

RefSeq ORF: 552 bp

Locus ID: 66256

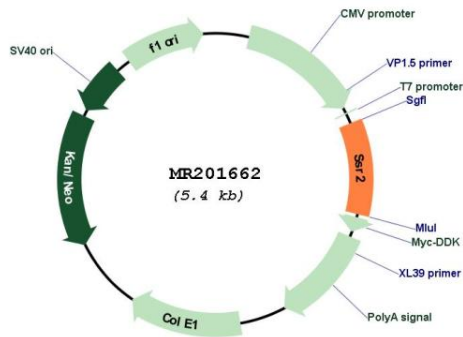
UniProt ID: [Q9CPW5](#)

Cytogenetics: 3 F1

MW: 20 kDa

Gene Summary: TRAP proteins are part of a complex whose function is to bind calcium to the ER membrane and thereby regulate the retention of ER resident proteins.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201662