

Product datasheet for MR203901

Ssr1 (NM_025965) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssr1 (NM_025965) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ssr1
Synonyms:	2510001K09Rik; 6330400D04; A1159733; A1452176; SSR; TRAPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203901 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGACTCCTCCCCGCTGCTGCTGCTGTTCTGCTGGCCTTCCCCGCCCGCTGCTGCTCCGAGGCG
GCCCCGGAGGGTCATTAGCTTTGGCTCAAGATCCTACAGAAGATGAAGAAATAGTAGAAGATTCAATAAT
TGAAGATGAAGATGATGAAGCTGAAGTAGAAGAAGATGAACCCACTGATTTGGCAGAAGATAAAGAAGAG
GAGGATGTATCCAGTGAACCAGAAGCTCACCCAGTGCAGACACAACATTTCTGTTTGTAAAAGGAGAAG
ATTTTCCGGCAAACAACATCGTGAAGTTCCTGGTTGGCTTTACAACAAGGGGACAGAAGATTTTATTGT
TGAATCGCTAGATGCCTCGTTCGTTATCCTCAGGACTACCAGTTTACATCCAGAATTTACAGCTCTT
CCTCTAAACACTGTAGTCCACCCAGCGGCAGGCAACTTTTGTAGTATTCCTTATCCCTGCAGAGCCGA
TGGGAGGACGGCCCTTTGGTCTGGTTATCAATCTGAACTACAAAGATTTGAACGGCAATGTATTCCAGGA
TGCTGTCTTCAATCAGACGGTCACAGTTATTGAAAGAGAGGACGGGTTAGATGGAGAAACAATTTTATG
TATATGTTCTTGCTGGTCTTGGGCTTCTGGTTGTTGTTGGCCTTCATCAGCTCCTGGAATCTAGAAAGC
GCAAGAGACCCATACAGAAAGTAGAAATGGGTACCTCAAGTCAGAATGATGTTGACATGAGCTGGATTCC
TCAGGAGACTTTGAATCAGATCAATAAAGCTTCTCCAGAAGGCAGCCCCGGAAGCGGGCCGAGAAGCGA
TCGGTGGGATCTGATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203901 protein sequence
 Red=Cloning site Green=Tags(s)

MRLLPRLLLLFLLAFFAAVLLRGGPGGSLALAQDPTDEEIEVEDSIEDEDEAEVEEDEPTDLAEDKEE
 EDVSSEPEASPSADTTILFVKGEDFPANNIVKFLVGFVTKGTEDFIVESLDASFRYPQDYQFYIQNFTAL
 PLNTVVPPQRQATFEYSFIPAEPMGGRPFGLVINLNYKDLNGNVFQDAVFNQTVTVIEREDGLDGETIFM
 YMFLAGLGLLVVGLHQLLESRKRRKRIQKVMGTSSQNDVDMSWIPQETLNQINKASPRRQPRKRAQKR
 SVGSDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025965

ORF Size: 861 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_025965.1](#), [NM_025965.2](#), [NM_025965.3](#), [NP_080241.3](#)

RefSeq Size: 9306 bp

RefSeq ORF: 861 bp

Locus ID: 107513

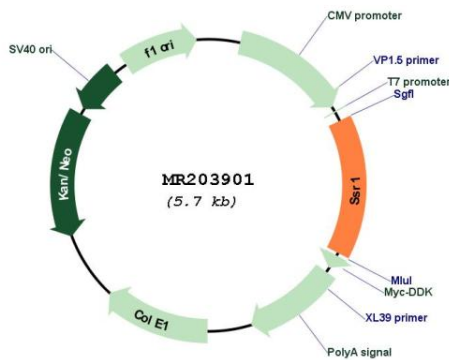
UniProt ID: [Q9CY50](#)

Cytogenetics: 13 A3.3

MW: 32.1 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. May be involved in the recycling of the translocation apparatus after completion of the translocation process or may function as a membrane-bound chaperone facilitating folding of translocated proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203901