

Product datasheet for **MG203901**

Ssr1 (BC011255) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssr1 (BC011255) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ssr1
Synonyms:	SSR, TRAPA, 6330400D04
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203901 representing BC011255 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACTCCTCCCCGCTGCTGCTGCTGTTCTGCTGGCCTTCCCCGCCCGCTGCTGCTCCGAGGCG
GCCCCGGAGGGTCATTAGCTTTGGCTCAAGATCCTACAGAAGATGAAGAAATAGTAGAAGATTCAATAAT
TGAAGATGAAGATGATGAAGCTGAAGTAGAAGAAGATGAACCCACTGATTTGGCAGAAGATAAAGAAGAG
GAGGATGTATCCAGTGAACCAGAAGCTTACCCAGTGCAGACACAACACTATTCTGTTTGTAAAGGAGAAG
ATTTTCCGGCAAACAACATCGTGAAGTTCTGGTTGGCTTTACAAACAAGGGGACAGAAGATTTTATTGT
TGAATCGCTAGATGCCTCGTTCCGTTATCCTCAGGACTACCAGTTTACATCCAGAATTTACAGCTCTT
CCTCTAAACACTGTAGTCCACCCAGCGGCAGGCAACTTTTGTAGTATTCTTATCCCTGCAGAGCCGA
TGGGAGGACGGCCCTTTGGTCTGGTTATCAATCTGAACTACAAAGATTTGAACGGCAATGTATTCCAGGA
TGCTGTCTTCAATCAGACGGTCACAGTTATTGAAAGAGAGGACGGGTTAGATGGAGAAACAATTTTATG
TATATGTTCTTGTGCTGTTGGCTTCTGGTTGTTGTTGGCCTTCATCAGCTCCTGGAATCTAGAAAGC
GCAAGAGACCCATACAGAAAGTAGAAATGGGTACCTCAAGTCAGAATGATGTTGACATGAGCTGGATTCC
TCAGGAGACTTTGAATCAGATCAATAAAGCTTCTCCAGAAGGCAGCCCCGGAAGCGGGCCGAGAAGCGA
TCGGTGGGATCTGATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203901 representing BC011255
 Red=Cloning site Green=Tags(s)

MRLLPRLLLLFLLAFFAAVLLRGGPGGSLALAQDPTDEEIEVEDSIEDEDEAEVEEDEPTDLAEDKEE
 EDVSSEPEASPSADTTILFVKGEDFPANNIVKFLVGFVTKGTEDFIVESLDASFRYPQDYQFYIQNFTAL
 PLNTVVPPQRQATFEYSFIPAEPMGGRPFGLVINLNYKDLNGNVFQDAVFNQTVTVIEREDGLDGETIFM
 YMFLAGLGLLVVGLHQLLESRKRRKPIQKVEMGTSSQNDVDMSWIPQETLNQINKASPRRQPRKRAQKR
 SVGSDE

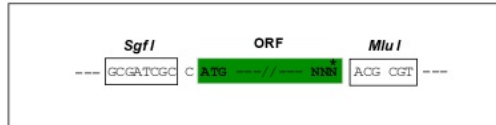
TRTRPLE - GFP Tag - V

Restriction Sites:

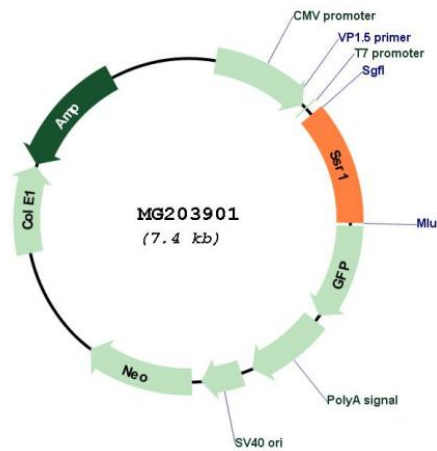
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC011255

ORF Size: 860 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:	<ol style="list-style-type: none">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:	BC011255 , AAH11255
RefSeq Size:	2470 bp
RefSeq ORF:	860 bp
Locus ID:	107513
Cytogenetics:	13 A3.3
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]