

Product datasheet for **MG215495**

Sri (NM_025618) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sri (NM_025618) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sri
Synonyms: 2210417O06Rik; 2900070H08Rik; Sor
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215495 representing NM_025618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGTATGGTGGGCTCCCGGAGGGCTGCGTTCCTGGACAACTCAGGATCCGCTATATGGTTACT
 TTGCTGCTGTGGCTGGACAGGACGGACAAATTGATGCTGACGAATTCAGAGATGCCTAACACAGCTGG
 CATTGCGGGAGGATACAAGCCTTTAACCTGGAGACTTGTGCGCTTATGGTTTCAATGTTGGATAGAGAT
 ATGTCCGGCAGCATGGGTTCAATGAATCAAAGAGCTCTGGGCTGTGCTGAATGGCTGGAGACAACACT
 TCATCAGTTTCGATAGCGATAGGAGTGGCACCGTGGATCCCAGGAGCTACAGAAGGCCCTGACGACTAT
 GGGATTACAGTTGAGCCCCAACTGTGAATTCAGTTGCAAAGCGATACAGCACCAGCGGAAGATCAGG
 TTTGATGACTACATTGCCTGCTGTGTCAACTGAGGGCTCTCACAGATAGCTTTCGACAGCGGGATTCGG
 GTCAACAAGGAGTTGTGAATTTCTCGTATGATGATTTTCATCCAGTGTGTCATGACCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215495 representing NM_025618
 Red=Cloning site Green=Tags(s)

MQYGGAPGGPAPFPQQTQDPLYGYFAAVAGQDGQIDADELQRCLTQSGIAGGYKPFNLETCLRMVSMMLDRD
 MSGTGMGFNEFKELWAVLNGWRQHFISFDSRSGTVDPQELQKALTTMGFRLSPQTVNSVAKRYSTSGKIT
 FDDYIACCVKLRALTDSFRRRDSGQQGVVNF SYDDFIQCVMTV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

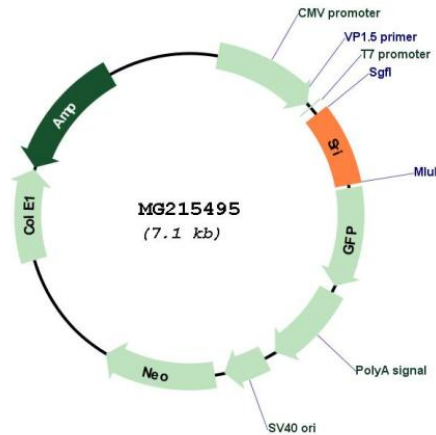


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_025618

ORF Size: 549 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:	<u>NM_025618.3</u> , <u>NP_079894.2</u>
RefSeq Size:	2375 bp
RefSeq ORF:	552 bp
Locus ID:	109552
UniProt ID:	<u>Q6P069</u>
Cytogenetics:	5 3.38 cM
Gene Summary:	Calcium-binding protein that modulates excitation-contraction coupling in the heart. Contributes to calcium homeostasis in the heart sarcoplasmic reticulum. Modulates the activity of RYR2 calcium channels.[UniProtKB/Swiss-Prot Function]