

Product datasheet for **MG202517**

Sra1 (NM_025291) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sra1 (NM_025291) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sra1
Synonyms:	AA959952; Sra; Strap; Straa1; Strra1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202517 representing NM_025291 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGTACGTGAAGCCCGGCAACAAGGAACGCGGCTGGAACGACCCGCCACAATTCTCTACG
GGCTCCAGACTCAGACTGGTGGACCCAAACGCACTCCCCTTACTAAGAGGGTCGCGGCCCCACAGGATGG
ATCCCCTAGAGCCCCAGAACTTCTGGACCACCTCCAGTGGATCATCCACCTCCTCAAGTAAGGCTTCC
AGGCCTCCGCCCATGGGAGCTGTCTGCTACTGGTGTGGAGCCCCAAGTCCCCAGTCATTGAGTCTG
AAACTCTGATAGAAGACGTGCTGAGACCTCTGGAACAGGCATTGGAGGACTGCCATGGTCACACAAAGAA
ACAGGTATGTGATGATATCAGCCGACGCTTGGTGTGCTTCGAGAACAGTGGGCTGGAGGGAAGTTGTCA
ATACCTGTAAAGAAGAGGATGGCACTGCTAGTGAAGAATTTTACATCACCAGTGGGATGCAGCAGATG
ACATTCACCGATCACTCATGGTTGACTATGTGACTGAGGTGAGTCAGTCAGTGGATGGTGGGAGTAAAAAGATT
AATTGCAGAAAAGAGGAGTCTATCTTCAGAGGAGACCAAGAAGAGAAATTTACAGTGGAACCTGAGAAC
CAGACAATACCAGGCTTCCAACAGCCATCA

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA



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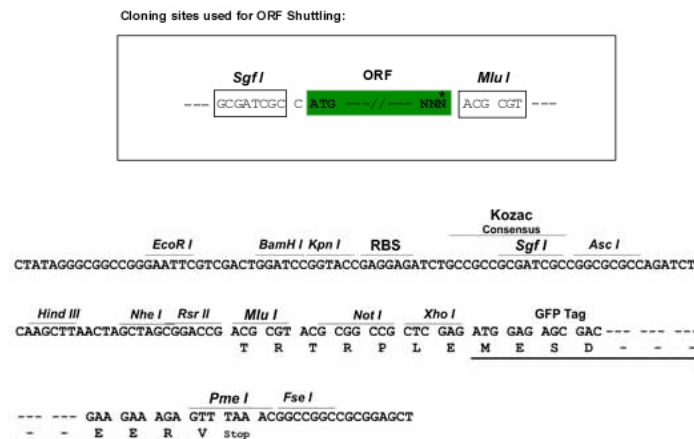
Protein Sequence: >MG202517 representing NM_025291
 Red=Cloning site Green=Tags(s)

MAEL YVKPGNKERGWNDPPQFSYGLQTQTGGPKRTPLTKRVAAPQDGSPRAPETSGPPPVDPHPPSSKAS
 RPPPMGSCPATGVEPPSSPVIESETLIEDVLRPLEQALEDCHGHTKKQVCDDISRRLVLLREQWAGGKLS
 IPVKKRMALLVQELLHHQWDAADDIHRSLMVDYVTEVSQWMVGVKRLIAEKRLSSEETKEEKFTVEPEN
 QTIPGFQQPS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025291

ORF Size: 660 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025291.1](#), [NP_079567.1](#)

RefSeq Size: 895 bp

RefSeq ORF: 699 bp

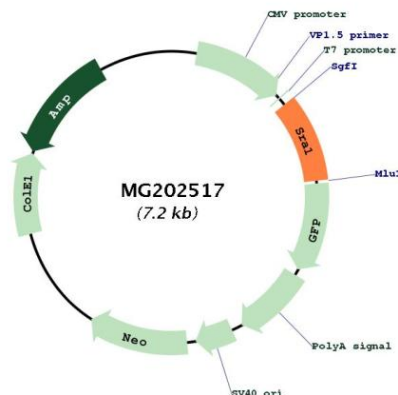
Locus ID: 24068

UniProt ID: [Q80VJ2](#)

Cytogenetics: 18 B2

Gene Summary: Functional RNA which acts as a transcriptional coactivator that selectively enhances steroid receptor-mediated transactivation ligand-independently through a mechanism involving the modulating N-terminal domain (AF-1) of steroid receptors. Also mediates transcriptional coactivation of steroid receptors ligand-dependently through the steroid-binding domain (AF-2). Enhances cellular proliferation and differentiation and promotes apoptosis in vivo. May play a role in tumorigenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202517