

Product datasheet for **MR202517**

Sra1 (NM_025291) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sra1 (NM_025291) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sra1
Synonyms:	AA959952; Sra; Strap; Straa1; Strra1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202517 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGTACGTGAAGCCCGGCAACAAGGAACGCGGCTGGAACGACCCGCCACAATTCTCCTACG
GGCTCCAGACTCAGACTGGTGGACCCAAACGCACTCCCCTTACTAAGAGGGTCGCGGCCCCACAGGATGG
ATCCCCTAGAGCCCCAGAACTTCTGGACCACCTCCAGTGGATCATCCACCTCCTCAAGTAAGGCTTCC
AGGCCTCCGCCCATGGGAGCTGTCTGCTACTGGTGTGGAGCCCCAAGTCCCCAGTCATTGAGTCTG
AAACTCTGATAGAAGACGTGCTGAGACCTCTGGAACAGGCATTGGAGGACTGCCATGGTCACACAAAGAA
ACAGGTATGTGATGATATCAGCCGACGCTTGGTGTGCTTCGAGAACAGTGGGCTGGAGGGAAGTTGTCA
ATACCTGTAAAGAAGAGGATGGCACTGCTAGTGAAGAACTTTTACATCACCAGTGGGATGCAGCAGATG
ACATTCACCGATCACTCATGGTTGACTATGTGACTGAGGTGAGTCAGTCAGTGGATGGTGGGAGTAAAAAGATT
AATTGCAGAAAAGAGGAGTCTATCTTCAGAGGAGACCAAGAAGAGAAATTTACAGTGAACCTGAGAAC
CAGACAATACCAGGCTTCCAACAGCCATCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR202517 protein sequence
Red=Cloning site Green=Tags(s)

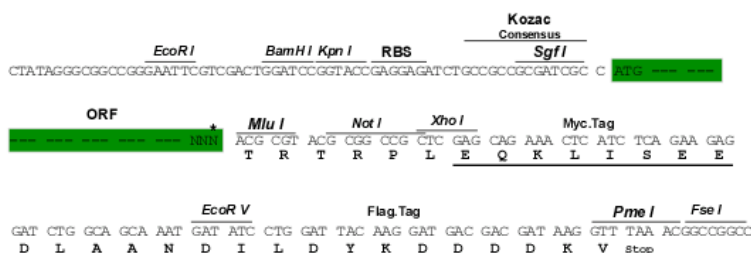
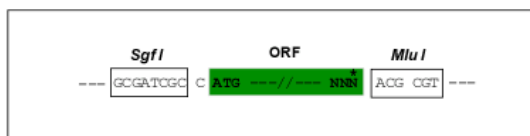
MAELVYKPGNKERGWNPPQFSYGLQTQTGGPKRTPLTRKVAAPQDGSRAPETSGPPVDHPPSSKAS
RPPPMGSCPATGVEPPSSPVIESETLIEDVLRPLEQALEDCHGHTKKQVCDISRRLVLLREQWAGGKLS
IPVKKRMALLVQELLHHQWDAADDIHRSLMVDYVTEVSQWMVGKRLIAEKRSLSSEETKEEKFTVEPEN
QTIPGF00PS

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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](#), [NM_025291.2](#), [NP_079567.1](#)

RefSeq Size: 979 bp

RefSeq ORF: 699 bp

Locus ID: 24068

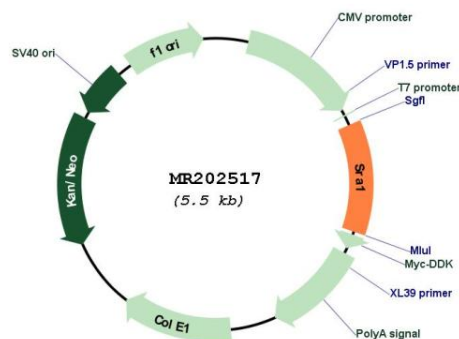
UniProt ID: [Q80VJ2](#)

Cytogenetics: 18 B2

MW: 24.4 kDa

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 MR202517