

## Product datasheet for **MC219672**

### **Scai (NM\_178778) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Scai (NM_178778) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scai
Synonyms:	9330112M16; A930041I02Rik; AI662729
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219672 representing NM\_178778  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTCAGAGGAGCCCGGCAGTCCCAGCAGCCCGGAGTCGCCTGGCCCCAGACTGTCTGGCACAGTGG  
 AGAAACCACCCGAAAACGGAAAAGCAGGACTGAATTTACTCTTAAAGAACTATGTCTCTGGAGGTGC  
 TGAAGATGACATCCACAGGGAGAGAGGAAGACAGTTACAGATTTTTGTTATCTTTGGATAAATCCAAG  
 CAACTGTTCAATGGCTTAAGAGATTTGCCTCAGTATGGACAGAAGCAGTGGCAGTCTACTTCGGAAGAA  
 CTTTTGATGTTTACACCAAATCTGAAATTCAGCAGCAGCATCGACAAGTCTTGGATAATCGGTATGG  
 CTTGAAGCGGTGGCAAATAGGGGAAATCGCTTCCAAGATCGGGCAGCTGTATTACCACTATTATTTACGA  
 ACTTCTGAGACCAGTTATCTGAATGAGGCTTTCTCCTTCTACTCTGCAATCAGACAGAGATCATACTACT  
 CTCAGTCAATAAAGAGGACAGGCTGAGTTGGTTGTTAAGAACTCCGATACTACGCAAGATTTATAGT  
 AGTTTGCCTTCTCTTAAACAAAATGGACGTTGTGAAAGACCTGGTAAAGGAATTGTCTGATGAAATTGAA  
 GATTATACTCATCGCTTAACTACTGAAGATCAAGTCGAGTGGAACTGGTCTTCAAGAGGTAGCAGCAT  
 TCATTGAGGCAGACCCTGTGATGGTGTAAATGATGATAACACTATTGTTATCACATCCAATCGCCTCGC  
 TGAGACAGGAGCCCTTGTCTGGAGCAAGGCATGATTGTGGGACAGTTGTCTCTGGCTGATGCACTCATT  
 ATTTGGTAATTGTAATAATCAGGTCAAATTCAGCGAATTAAGTGTGACATGTTCCGGATGTTGCAAGCCT  
 TGGAGAGGGAGCCTATGAATTTAGCTTCCCAGATGAATAAGCCAGGAATACAGGAGCCAGCTGACAAGCC  
 CACCAGACGAGAAAACCCCAAGTATCTACTCTACAAACCGACTTTCAGCCAAGTGTATACATTTTTTA  
 GCAGCATCTTTAAGGAGCTGCCTGCCAATAGTGTGCTTCTGATTTACCTGTGAGCCACTGGCGTTTTCC  
 CCACAGGTCGTTCTGATGGTGAAGTCTTATGACTTTGGAGGTGACTTACTAATAGTAAACCGGGACAT  
 TATCAATGGAGATGCTATCCACAAGCGAAATCAGTCTCACAAAGGAAATGCACTGCCTTATCCTGGAGAT  
 CTCTATCCATTACAAGGAAACCCCTGTTTCATCGTTGTGGACTCCTCCAATAGTGTGCCTACAAGAATT  
 TTACAAATTTGTTGGACAGCCACTCGTCTGCCTTCTTCTCCCACGGCATATCCAAAAGCTTTGCAAGA  
 TCAGTCTCAGCGAGGTAGCCTCTTACGCTCTTTTTGAACAATCCTCTAATGGCCTTCTATTTGTGTCT  
 GGATTGTCAAGCATGCGTAGAGGCTGTGGAAAAGTGTCAAGAATATCTTCGAAAAATCAACCGTGATA  
 TTGCCAGCTACTGACCCATTACGTTCAATAGATCAGGCCTTCTCCAGTTTTTTGGAGATGAATTTCT  
 TCGATTGCTTCTACAAGTTTTGTCTTCTGTTCCAGCCACCATGAGGATGCACAAGGCCTTTCGGGAAACG  
 CGAAATACCCAGAATCCTATCCACAAGTCCAAAGGGATGAAACCGTAGAGAATCCTCACCTTCAGAAGC  
 ACATTTTGAATGGCCTCCATTCTGGATGTTGAAACATCTTCTTTGAGAATCTATGGATGACTATTA  
 A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_178778

**Insert Size:** 1821 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_178778.3](#), [NP\\_848893.2](#)

**RefSeq Size:** 10705 bp

**RefSeq ORF:** 1821 bp

**Locus ID:** 320271

**UniProt ID:** [Q8C8N2](#)

**Cytogenetics:** 2 B

**Gene Summary:** Tumor suppressor which functions to suppress MRTFA-induced SRF transcriptional activity. May function in the RHOA-DIAPH1 signal transduction pathway and regulate cell migration through transcriptional regulation of ITGB1.[UniProtKB/Swiss-Prot Function]