

## Product datasheet for **MC219635**

### **Samd4 (NM\_001163433) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Samd4 (NM_001163433) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Samd4
Synonyms:	1700024G08Rik; 1700111L17Rik; 4933436G17Rik; Samd4a; Smaug; Smaug1; sunk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219635 representing NM\_001163433  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACTGCTGCCAAGATCCTGGCACACTCTATCGAACACAACCAGCACATTGAGGAGAGCAGGCAGC  
 TGCTGTCTATGCTTTGATCCACCAGCCACTTCTTGGAAGACCGCAGCGCACTAGCCATGTGGCTGAA  
 TCACTTGAGGACCGCACATCCACCAGCTTTGGTAGCCAGAACCAGGCCGCTCGGACTCTGTGGATTAT  
 GGACAGACGCATTACTATCACCAAAGACAGAACTCTGACGATAAGCTCAATGGCTGGCAGAACTCTCGGG  
 ATTCTGGGATTTGCATCAGTGCCTCCAAGTGGCAGGACAAGAGCCTGGGCTGTGAGAATGGCCATGTGCC  
 CCTCTACTCTTCTCGTGTCCCTGCCACAATCAACACGATTGGAACCGCGCAAGCACGATTCTCTCA  
 GGCCAGGCACACCACAGCCCTTTGAAACGATCTGTGTCCCTTACCCACCCATGAATGTGCCAAACCAGC  
 CTCTAGGACATGGATGGATGTCTCATGAGGACTTACGAGCTAGAGGACCTCAGTGCCTCCATCCGATCA  
 TGCCCCCTGTCTCCACAAGCAGTGTAGCCTTTCAGGAAGTGGTGGGAGTGAACACTAGAAGATCAG  
 ACCACTGCTCGTAACACATTCCAAGAAGAAGGTAGTGGTATGAAAGATGTTCCAGCTTGGTTAAAAAGCC  
 TCCGCCTGCACAAGTACGCTGCGCTCTTCTCGCAGATGACTTATGAGGAAATGATGGCCCTCACTGAGTG  
 TCAACTGGAGGCTCAGAAATGTTACCAAAGGCGCAAGACACAAAATTGTAATCAGTATTCAGAAGCTCAA  
 GAAAGACAGAACCTCCTGAAGTCTTTGGAAAGGGACATCATCGAAGGGGGCAGCCTGCGCACCCCTCC  
 AGGAGCTACATCAGATGATCCTGACACCCATCAAGGCCTACAGCTCTCCAGTACCACCCCTGAGGTGGC  
 CTGCCGGGAGCCCTCACTGATGGAGAGCCCAAGCCCTGACTGCAAAGACAGCGCTGCAGCAGTACCAGC  
 GCCACAGCCAGTGCCTCAGCCGGTGCAGCGGTGACTGCAACCACCCAGCTGAGCAGCTGCGACGGAG  
 AGCTGGCTGTGCCCCCTCTGCCGAGGGGGACCTCCCGGGCAGTTCACCCGAGTCATGGGAAAAGTGTG  
 CACACAGCTCTTGGTCTCCAGACCCGATGAAGAAAATATAAGCTCCTATCTACAGCTCTTAGACAAGTGT  
 CTTGTTTATGAGGCATTTACAGAGACACAGAAAAAAGATTGTTGTCATGGAAACAGCAGGTGCAGAAGC  
 TCTTTCGGTCTTTCCCTCGGAAAACCTTCTAGACATATCAGGATATCGACAGCAAGAAAATCGTGGCTT  
 TGGGCAGTCCAACCTCCCAACAGCCAGCTCTGTGGGCAGCGCATGGGCAGACGGAACCCACGACAG  
 TACCAGATCGCATCTCGGAATGTCCCTCCGCCCGCTTGGTCTCCTGGGCACCAGTGGATTTGTCAGCT  
 CCAACCAGCGCCACACCGCTGCCAACCCACCATCATGAAACAAGGAAGACAGAACCTCTGGTTTGCCAA  
 CCCTGGGGCAGCAACAGCATGCCAGCCGCACCCACAGCTCCGTCCAGAAGACCCGCTCGCTGCCCGTG  
 CATACTTCCCACAAAACATGCTGATGTCCAGCAACCAGAATTCAGCTTCTGTGACTGAACCTGACA  
 TCAACAATAGGCTGGAGTCTTGTGCCTCAGTATGACGGAGCATGCCCTGGGAGACGGGGTTGACCGGAC  
 CTCCACAAT**CTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001163433

**Insert Size:** 1833 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\\_001163433.1](#), [NP\\_001156905.1](#)

**RefSeq Size:** 6600 bp

**RefSeq ORF:** 1833 bp

**Locus ID:** 74480

**UniProt ID:** [Q8CBY1](#)

**Cytogenetics:** 14 C1

**Gene Summary:** Acts as a translational repressor of SRE-containing messengers.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (3) has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.