

## Product datasheet for **MR218357**

### Samd4 (NM\_028966) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Samd4 (NM_028966) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Samd4
Synonyms:	1700024G08Rik; 1700111L17Rik; 4933436G17Rik; Samd4a; Smaug; Smaug1; sunk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218357 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGTTTCGCGACCAGGTGCGGGTGTGGCGGGCTGGTTAAAGGGCTGGAACGAGTGCAGCAGACTG  
 TTGCACTGCTGCTGCTCAAGCGCGTAAGCCAGACCCAGGCCCGCTTCTTCAGCTCTGCCTGGAGCA  
 CTCGCTGGCCGACTGCGCCGAGCTGCACGCTCTGGAAGGAGAGGCCAACAGCCCGGAATCATTAACCAA  
 TGGCAACAGGAATCCAAGGATAAAGTGATTTCCCTTCTGCTAACTCACCTGCCTTTGCTGAAGCCAGGAA  
 ACCTCGACGCGAAAGCAGAGTATATGAACTGCTGCCAAGATCTGGCACACTCTATCGAACACAACCA  
 GCACATTGAGGAGAGCAGGCAGCTGCTGTCTATGCTTTGATCCACCCAGCCACTTCTTGAAGACCGC  
 AGCGCACTAGCCATGTGGCTGAATCACTTGAGGACCGCACATCCACCAGCTTTGGTAGCCAGAACCAG  
 GCCGCTCGGACTCTGTGGATTATGGACAGACGCATTACTATACCAAAGACAGAACTCTGACGATAAGCT  
 CAATGGCTGGCAGAACTCTCGGGATTCTGGGATTTGCATCAGTGCCTCCAAGTGGCAGGACAAGAGCCTG  
 GGCTGTGAGAATGGCCATGTGCCCTCTACTTCTCTGCTGTCCCTGCCACAATCAACACGATTGGAA  
 CCGGCGCAAGCACGAATGTTCCAGCTTGGTAAAAAGCCTCCGCCTGCACAAGTACGCTGCGCTCTTCTC  
 GCAGATGACTTATGAGGAAATGATGGCCCTCACTGAGTGTCAACTGGAGGCTCAGAATGTTACCAAAGGC  
 GCAAGACACAAAATTGTAATCAGTATTCAGAAGCTCAAAGAAAGACAGAACCTCTGAAGCTTTGGAAA  
 GGGACATCATCGAAGGGGGCAGCCTGCGCACCCCTCCAGGAGCTACATCAGATGATCTGACACCCAT  
 CAAGGCCCTACAGCTCTCCAGTACCACCCCTGAGGTGCGCTGCCGGGAGCCCTCACTGATGGAGAGCCCA  
 AGCCCTGACTGCAAGACAGCGCTGCAGCAGTACCAGCGCCACAGCCAGTGCCTCAGCCGGTGCACGGC  
 GTGGACTGCAACCACCCAGCTGAGCAGTGCAGCGGAGAGCTGGCTGTCGCCCTCTGCCGGAGGGGAA  
 CCTCCCGGGGCGAGTTACCCCGAGTCATGGGAAAGTGTGCACACAGCTCTTGGTCTCCAGACCCGATGAA  
 GAAAATATAAGCTCCTATCTACAGCTCTTAGACAAGTGTCTTGTTCATGAGGCATTTACAGAGACACAGA  
 AAAAAAGATTGTTGTCATGGAAACAGCAGGTGCAGAAGCTCTTTCGGTCTTCCCTCGGAAAACCTTCT  
 AGACATATCAGGATATCGACAGCAAAGAAATCGTGGCTTTGGGCAGTCCAAGTCCCTCCCAACAGCCAGC  
 TCTGTGGCAGCGGCATGGGCAGACGGAACCCACGACAGTACCAGATCGCATCTCGGAATGTCCCTCCG  
 CCCGCTTGGTCTCTGGGCACCAAGTGGATTTGTAGTCCAACCAGCGCCACACCGCTGCCAACCCAC  
 CATCATGAAACAAGGAAGACAGAACCTCTGGTTTGCCAACCTGGGGCAGCAACAGCATGCCACCCGC  
 ACCCACAGCTCCGTCCAGAAGACCCGCTCGCTGCCCGTGCATACTCCCCACAAAACATGCTGATGTTCC  
 AGCAACCAAGAAATTCAGCTTCTGTGACTGAACCTGACATCAACAATAGGCTGGAGTCTTGTGCCTCAG  
 TATGACGGAGCATGCCCTGGGAGACGGGTTGACCGGACCTCCACAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218357 protein sequence  
 Red=Cloning site Green=Tags(s)

MMFRDQVGLAGWFKGWNECEQTVALLSLLKRVSQTQARFLQLCLEHSLADCAELHVLEGEANSPGIINQ  
 WQQESKDKVISLLLTHLPLLKPGNLDAKAEYMKLLPKILAHSEIHNQHIIEESRQLLSYAL IHPATSLEDR  
 SALAMWLNHLEDRTSTSFSGSNRGRSDSDYDYGQTHYYHQNSDDKLNWQNSRDSGICISASNWDKSL  
 GCENGHVPLYSSSSVPATINTIGTGASTNVPWLKSLRLHKYAAALFSQMTYEEMMALTECQLEAQNVTKG  
 ARHKIVISIQKLERQNLKSLERDIEGGSLRTPQLQELHQMIL TPIKAYSSPSTTPEVRCREPSLMESP  
 SPDCKDSAAAVTSATASASAGASGLQPPQLSSCDGELAVAPLPEGDLPGQFTRVMGKVCTQLLVSRPDE  
 ENISSYLQLLDKCLVHEAFTETQKRLLSWKQQVQKLFPSFPRKTLDDISGYRQQRNRGFGQSNLPTAS  
 SVGSGMGRRNPRQYQIASRNVP SARLGLLGTSGFVSSNRHTAANPTIMKQQRQNLWFANPGGSNSMPSR  
 THSSVQKTRSLPVHTSPQNMLMFQQPEFQLPVTEPDINNRLLESLCLSMTEHALGDGVDRTSTI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_028966

ORF Size: 1872 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.

RefSeq: [NM\\_028966.3](#), [NP\\_083242.1](#)

RefSeq Size: 6856 bp

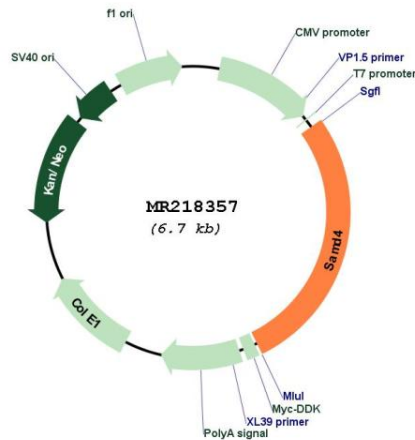
RefSeq ORF: 1872 bp

Locus ID: 74480

UniProt ID: [Q8CBY1](#)

**Cytogenetics:** 14 C1  
**MW:** 69 kDa  
**Gene Summary:** Acts as a translational repressor of SRE-containing messengers.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218357