

## Product datasheet for **MC216018**

### **Samd7 (NM\_029489) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Samd7 (NM_029489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Samd7
Synonyms:	4930597A01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216018 representing NM\_029489  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGACAAACCCAATGATGTCTGTGAGCTCTTTACTGACATCAGGACAGCAGAAGTCCCAATGGTCCCT  
 CGCCATTTGGGCTCCAATTGTGGACAGAGATGTCTTGTCTTCCAGTATAGCTCCAAGTACCCAAAGCCA  
 GTTTTGTGTTCTTCCCAATTTGGATCCTCCGGTCTCCCAATGCAAATATGCCAAACCCGCTATCCAGT  
 CACTTCTACTCAGGCTGGGGCATTTTACCACCTGAACCCATAAAGGCAGTGACCACAAGGAATGAGATGT  
 TTGAAAGACATCACGCTGCCAGGGCAGAAATGGAAATGTATTCTTTACCAGCAACGTAGAATGGAAG  
 AGTTAATCCCAAAGGACTCTCTGGCCTGGGAATACCACCTTCTATGGGTCAAGTTGCCTGGGTGGCCCC  
 ACGGGTTTCCAGGGCAGGAGCACACTGCCGGCCAGTGATGTGCATTTGCACAGGAGCACCTTCAGACACC  
 TTCAGGAAACCCCTATTCTGCTAGCAACTAGACCCCACTTTACAGAGTGTGGGGCCAGAAATACCGACT  
 CAGGAGAGGTGCAGTTTACCAGAAGCCTCCAGAGAGTGACTGAGAGTTTCAAAAGTCAAGCAGAAGAA  
 AAAAGCTCAAGCCAGATGCCACACTTTCTATGAGGAGGAAGAGTATATCAAGGATCCAGACATTGAGG  
 TAGACAACCAGCAGAAGCCAAGGGTCGCTGATGGAAAGCCAACACTACAGTTCGCGCAACCCACCGAGA  
 ACTCCATACACACCAGAGGAAACCGTCTTCCCTGGAGGCAAACGCATGGGATGATGGGAAGGAAAGCCC  
 TCTGAACAGGTCTATGAAGGCTGTGATGGAAAGAATGGGGTTTTCCGGCCAGTCTCCATCCTGCCTCTGT  
 CAGGAACACATGAGCAGGTTGCACTCAGAGAAAAGTCTCTTTGTCTGATATTCAGAAGTGGACCGTGA  
 CGATGTGTATAACTTCATCAGAAGCCTTCCAGGCTGCTCAGACTATGCCAGGCTTTAAGGACCATGCC  
 ATTGATGGAGAAACACTGCCCTTCTCAGAACAGCATCTTCGAGGCCACCATGGGACTCAAGTTGGGGC  
 CAGCATAAAAAATTCAGTCTCAGGTATCTCAGCATGTGGGAAATATGTTCTGTAAAAAATCCTTCACT  
 TCCCACCATGCAAGGCAAGCATTTGATCAGCCAGCAGACACATCCCCTCTTTTGGACATGAGTTCCTGG  
 AGTGATGGTTTGAGCATTCTGGTCCCCAGGATCTACTGAGTCTAAAAGAACTGAGCAAGACGTTATGA  
 GAAATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_029489

**Insert Size:** 1338 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\\_029489.3](#), [NP\\_083765.2](#)

RefSeq Size: 3201 bp

RefSeq ORF: 1338 bp

Locus ID: 75953

UniProt ID: [Q8C8Y5](#)

Cytogenetics: 3 A3

**Gene Summary:** Involved in the regulation of gene expression in the retina. It functions as a negative regulator of CRX-controlled genes.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and is a protein-coding transcript. CCDS Note: The coding region has been updated to add an internal supported exon and to extend the N-terminus by 92 aa. The resulting CDS is one that is more supported by available conservation data.