

## Product datasheet for RC209111

### SAMD10 (NM\_080621) Human Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | SAMD10 (NM_080621) Human Tagged ORF Clone                         |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | SAMD10                                                            |
| Synonyms:                 | C20orf136; dj591C20; dj591C20.7                                   |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >RC209111 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTACCCGAGCTGAGGTCCAAGCTGAGCCCCCGCTGGCCGCGCCGGGGCCGTGCGCGCGGGCTTCG  
 GGGAGCGCCGGGATGTGGACGCCACTGCCACTTCAGTTCTGCCGACCCCTCTGGAGCACACGGTGTC  
 AGCTGAGAGCATCCCCTGCCACTTGCTCGGACACCTGGACACAGCCTCACGTGGCATGACTCCCGCAGC  
 CAGAGGGCGGCCAGCAGCAGGCCAATCAAGCTCCTGCAGCAGCCCGGCACAGACACCCCCAGGGCCGGC  
 TGTACTCTGACCACTATGGCCTGTACCATAAAGCCCCCTCGCTGGGTGGCCTGACCCGGCCCGTGGTCT  
 GTGGAGTCAGCAGGACGTCTGAAGTGGCTCAAGAAGCACTGTCCCACAACCTACCTCGTCTACGTGGAG  
 GCCTTCTCCCAGCATGCCATACCGGCCGGGCACTGCTGCGGCTGAATGCGGAGAAGCTGCAGCGGATGG  
 GGCTGGCCAGGAGGCCAGAGGCAGGAGGTGCTGCAGCAGGTGCTCCGCCTGCAGGTGCGTGAGGAGGG  
 GCGGAGCTGCAGCTGCTCAGCCAAGCTTCCTTCGGGAAAATGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Protein Sequence: | >RC209111 protein sequence<br>Red=Cloning site Green=Tags(s) |
|-------------------|--------------------------------------------------------------|

MFTELRSKLSPPRGRAGAVRAGFGERRDVDAHFSFCRTLLEHTVSAESIPCHLPRTPGTSLTWHDSRS  
 QRAASSRPIKLLQQPGTDTPQGRLYSDHYGLYHTSPSLGGLTRPVVLSQQDVCKWLKKHCPHNYLVYVE  
 AFSQHAITGRALLRLNAEKLQRMGLAQEAQRQEVLLQVLRLQVREEGRSLQLLSQASFGKMS

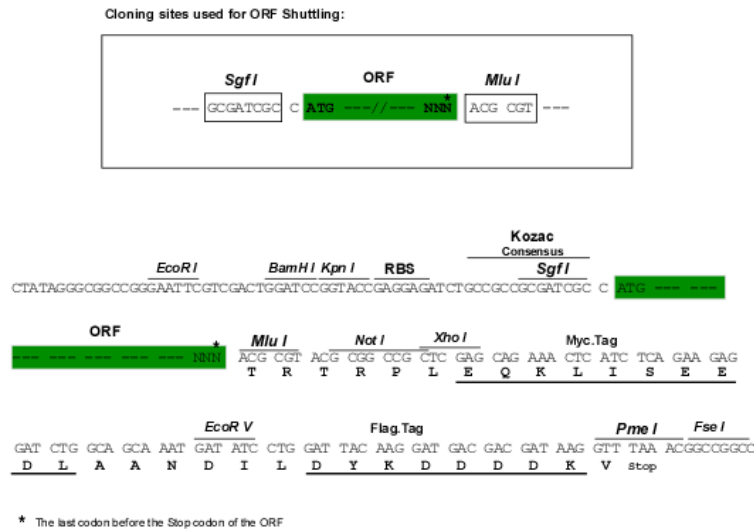
TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6747\\_e06.zip](https://cdn.origene.com/chromatograms/mk6747_e06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_080621

**ORF Size:** 606 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.

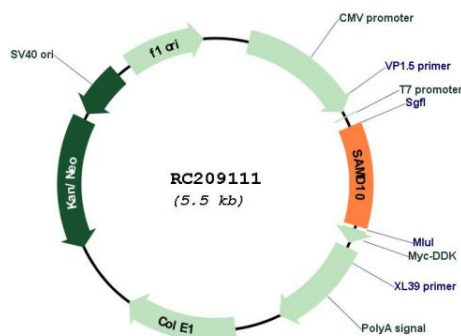
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_080621.5](#)

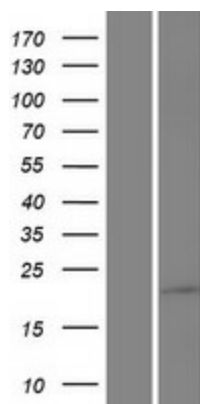
**RefSeq Size:** 2196 bp

RefSeq ORF: 609 bp  
 Locus ID: 140700  
 UniProt ID: [Q9BYL1](#)  
 Cytogenetics: 20q13.33  
 MW: 22.8 kDa

## Product images:



Circular map for RC209111



Western blot validation of overexpression lysate (Cat# [LY409160]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209111 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).