

Product datasheet for **RC200059**

SND1 (NM_014390) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SND1 (NM_014390) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SND1 |
| Synonyms: | p100; TDRD11; Tudor-SN |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC200059 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCTCCGCGCAGAGCGGGCTCTCCGGGGACCCCGGTCCACCCTGCAGCGGGGCATCA
 TCAAGATGGTCTCTCAGGGTGCCCATCATTGTCCGAGGTGAGCCTCGTGGTGGCCTCTCTGAGCG
 GCAGATCAACCTCAGCAACATTCGTGCTGGAAATCTTGCTCGCCGGCAGCCGCCACACAACCTGATGCA
 AAGGATACCCCTGATGAGCCCTGGGCATTTCCAGCTCGAGAGTTCCTTCGAAAGAAGCTGATTGGGAAGG
 AAGTCTGTTTCACGATAGAAAACAAGACTCCCCAGGGGCGAGAGTATGGCATGATCTACCTTGGAAAAGA
 TACCAATGGGGAAAACATTGCAGAATCACTGGTTGCAGAGGGCTTAGCCACCCGGAGAGAAGGCATGAGA
 GCTAATAATCCTGAGCAGAACCGCTTTCAGAATGTGAAGAACAAGCAAAGGCAGCCAAGAAAGGGATGT
 GGAGTGAAGGGAAACGGTTCACATACTATCCGGGATCTCAAGTATACCATTGAAAACCCAAGGCATTTGT
 GGACTCACACCACCAGAAGCCTGTTAATGCTATCATCGAGCATGTGCGGGACGGCAGTGTGGTCAGGGCC
 CTGCTCCTCCAGATTACTACCTGGTTACAGTCATGCTGTGAGGATCAAGTGCCAACTTTTCGACGGG
 AAGCAGATGGCAGTGAACCTCCAGAGCCTTTTGTGTCAGAAGCCAAATTTTCACTGAGTCGCGACTGCT
 TCAGAGAGATGTTGAGATCATTCTGGAGAGCTGCCACAACCAGAACATTCTGGTACCATCCTTCATCCA
 AATGGCAACATCACAGAGCTCCTCCTGAAGGAAGTTCGCACGCTGTGTGGACTGGTCGATTGCAGTTT
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 AGACTATGTGGTCCCACAGCTAATTTGGACAAAAGGACAAGCAGTTTGTGCAAGGTGATGCAGGTT
 CTGAATGCTGATGCCATTTGTGAAGCTGAACCTCAGGCGATTACAAGACGATTACCTGTCCAGCATCC
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 GGATGATGACCAGAGATCATCACACTACGATGAAGTGTGCTGTCAGAGGCCAGAGCTATTAAGAATGGC
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 TTCTCGTCTCAAACCTATTTGCCAAAGGAACTTGCCTTATCACCTTCTGCTGTCAGGCATTGAATGC
 CCCAGAGGAGCCGAAACCTCCCAGGCTTGGTGCAGGAAGGAGAGCCCTTCAGCGAGGAAGCTACACTTT
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 CACTTCACCGCCGAACGCAGCTCCTACTACAAGTCCCTGCTGTCTGCCGAGGAGGCCGAAAGCAGAAGA
 AAGAGAAGGTCTGGGCCACTATGAGGAGCAGCCCGTGGAGGAGGTGATGCCAGTGTGGAGGAGAAGGA
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 GTCCTGCCATCCACCCGCTGGTACCCTATCACCTGCCTTCAGCACTCGGGTGTGCCAGCTCAAGCCA
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 AGGTGCGCAAGGAGAAACAGTTCAGAAAGTGATCACAGAATACCTGAATGCCAAAGAGTCAGCCAAGAG
 CGCCAGGCTGAACCTGTGGCGCTATGGAGACTTTCGAGCTGATGATGCAGACGAATTTGGCTACAGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200059 protein sequence
 Red=Cloning site Green=Tags(s)

MASSAQSGGSSGGPAVPTVQRGIKMLVSGCAIIVRGQPRGGPPPERQINLSNIRAGNLARRAAATQPD
 KDTPDEPWAFPAREFLRKKLIGKEVCFIENKTPQGREYGMIIYLGKDTNGENIAESLVAEGLATRREGMR
 ANNPEQNRLSECEEQAKAAKGMWSEGNGSHTIRDLYKIENPRHFVDSHHQKPVNAIIIEHVRDGSVVRA
 LLLPDYYLVTVMLSGIKCPTFRREADGSETPEPFAAEAKFFTESRLLQRDVQIILLESCHNQNILGTILHP
 NGNITELLLKEGFARCVDSIAVYTRGAEKLRRAERFAKERRLRIRWRYVAPTANLDQKDKQFVAKVMQV
 LNADAIIVVKLNSGDYKTIHLSSIRPPRLEAGENTQDNKKLRPLYDIPYMFAREFLRKKLIGKKNVNTVD
 YIRPASPATETVPAFSERTCATVTIGGINIAEALVSKGLATVIRYRQDDQDSSHYDELLAAEARAIKNG
 KGLHSHKKEVPIHRVADISGDTQKAKQFLPFLQRAGRSEAVVEYVSGSRLKLYLPKETCLITFLLAGIEC
 PRGARNLPGLVQEGEPFSEEATLFTKELVLQREVEVEVESMDKAGNFIGWLHIDGANLSVLLVEHALSKV
 HFTAERSSYYKSLLSAEAAKQKKEKVAHYEEQPVVEVMPVLEEKERSASYKPVFVTEITDDLHFVYVQD
 VETGTQLEKLMENMRNDIASHPPVEGSYAPRRGEFCIAKFVDGEWYRARVEKVESPAKIHVFYIDYGNRE
 VLPSTRLGTLSPAFSTRVLPQATEYAFAFIQVPQDDARTDAVDSVVRDIQNTQCLLNVEHL SAGCPHV
 TLQFADSKGDVGLGLVKEGLVMVEVRKEKQFQKVITEYLNQESAKSARLNLWRYGDFRADDADDFGYSR

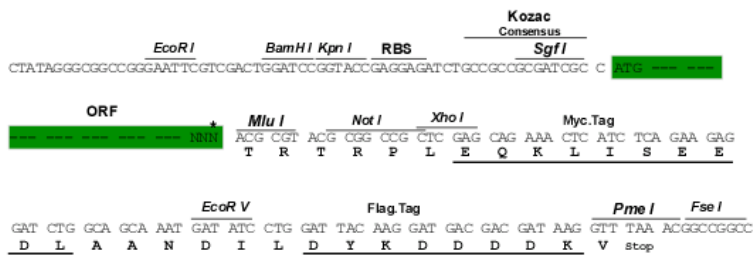
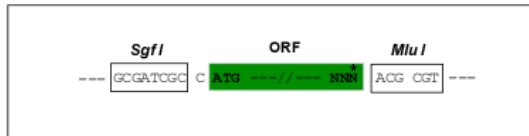
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6691_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

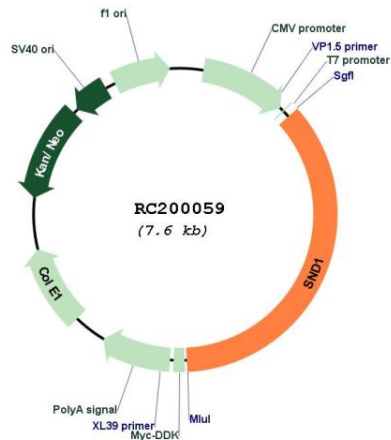


* The last codon before the Stop codon of the ORF

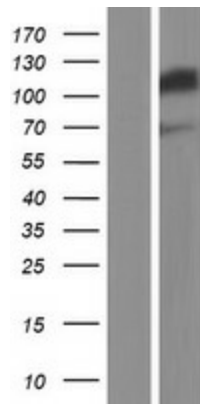
ACCN: NM_014390

| | |
|-------------------------------|--|
| ORF Size: | 2730 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: | <ol style="list-style-type: none">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_014390.4 |
| RefSeq Size: | 3522 bp |
| RefSeq ORF: | 2733 bp |
| Locus ID: | 27044 |
| UniProt ID: | Q7KZF4 |
| Cytogenetics: | 7q32.1 |
| Domains: | TUDOR, SNase, TUDOR |
| Protein Families: | Druggable Genome, Transcription Factors |
| MW: | 102 kDa |
| Gene Summary: | This gene encodes a transcriptional co-activator that interacts with the acidic domain of Epstein-Barr virus nuclear antigen 2 (EBNA 2), a transcriptional activator that is required for B-lymphocyte transformation. Other transcription factors that interact with this protein are signal transducers and activators of transcription, STATs. This protein is also thought to be essential for normal cell growth. A similar protein in mammals and other organisms is a component of the RNA-induced silencing complex (RISC). [provided by RefSeq, Jul 2016] |

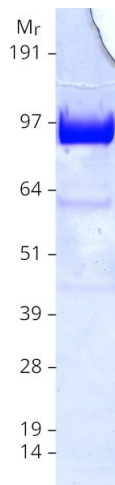
Product images:



Circular map for RC200059



Western blot validation of overexpression lysate (Cat# [LY415313]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200059 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SND1 protein (Cat# [TP300059]). The protein was produced from HEK293T cells transfected with SND1 cDNA clone (Cat# RC200059) using MegaTran 2.0 (Cat# [TT210002]).