

Product datasheet for **RN201682**

Snd1 (NM_022694) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snd1 (NM_022694) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Snd1
Synonyms:	SND p102
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201682 representing NM_022694
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCCGCGCAGAGCAGCGGCTCCTCCGGGGACCCGCGGTCCACCGTGCACAGGGGCATCGTCA
 AGATGGTCTCTCTGGGTGTGCCATCATTGTCCGAGGGCAGCCCCGGGGCGGTCCGCTCCAGAGAGGCA
 GATCAACCTCAGCAACATTTCGAGCTGGAATCTCGCCCGTCGGGCAGCTGCTACGCAACCAGATGGGAAA
 GATACCCAGATGAGCCCTGGGCATTTCTGCTAGAGAGTTCTTCGCAAGAAGCTGATTGGGAAGGAAG
 TCTGTTTCACGATAGAAAACAAGACTCCCCAAGGACGAGAGTATGGAATGATCTACCTTGGAAAAGATAC
 TAATGGGAAAACATTGCAGAGTCGCTAGTCGAGAAGGCTTGGCCTCCCGGAGAGAAGGCATGAGAGCC
 AATAACCCAGAGCAGAACCGGCTTTCAGAAATGCGAGGAACAAGCAAAGGCATCGAAGAAAGGGATGTGGA
 GTGAGGGGAACGGGTACACACCATCCGGGACCTCAAGTACACCATTGAGAACCCAAAGGCACCTTTGTGGA
 CTCACACCACCAGAAGCCTGTCAATGCTATCATTGAGCATGTTTCGAGACGGCAGTGTGGTCCGGGCCCTG
 CTCTTCCGGATCACTACCTTGTACCGTCATGCTGTCAGGGATTAAGTGCCCAACCTTTTCGTCGAGAAA
 CAGATGGTAGTAAACACCAGAGCCCTTCGCTGCAGAAGCCAAGTTTTTCACGGAGTCTCGACTGCTTCA
 GAGAGATGTTAGATCATTCTGGAGAGCTGCCATAATCAGAACATTCTGGGCACCATCCTTCATCCAAAT
 GGTAACATCACTGAACCTCCTCTGAAGGAAGTTTTGCCCGCTGTGTGGACTGGTCAATTGCAGTTTACA
 CCCGGGTGCAGAAAAGCTGAGGGCAGCTGAGAGGTTTGCCAAGGAGCGTAGGCTGAGAATATGGAGAGA
 CTATGTGCCTCCTACTGCTAATTTGACCAAAAGGACAAGCAGTTTGTGCAAGGTAATGCAGGTTTTG
 AATGCTGATGCCATTGTGTGAAGCTGAATTCGAGACTACAAGACCATCCACCTGTCAAGCATCCGCAC
 CACCAAGGTTGGAGGGAGACAACATACAGGATAAGAATAAGAAGCTCCGGCCCTGTATGACATCCCTA
 CATGTTTGAAGCCCGGAATTCCTTCGCAAAAAGCTCATTGGGAAGAAGTCAAGTGTGACTGTGGACTAC
 ATTAGACCAGCCAGCCAGCCACAGAAACAGTGCCTGCCTTTTCTGAGCGTACCTGTGCCACTGTACCA
 TTGGAGGAATAAACATTGCTGAGGCCCTTGTGAGCAAGGCTAGCCACAGTGCATGATACCGGCAGGA
 TGATGACCAGAGATCTTACACTATGATGAGCTGCTGGCTGCAGAGGCCAGAGCGATTAAGAATGGCAAA
 GGATTGCACAGCAAGAAGGAAGTCCCATCCACCGAGTTGCAGACATTTCTGGGGACACCCAGAAAGCAA
 AGCAGTTCCTGCCCTTCTTCAGCGCGCAGGCCGTTCTGAGGCTGTGGTGGAGTATGTCTTCAGTGGCTC
 TCGCTCAAGCTCTACTACCTAAGGAGACCTGTCTCATACCTCCTGCTGGCAGGCATTGAATGTCCC
 AGAGGAGCACGAAATCTCCAGGCTTGGTGCAGGAAGGAGAGCCATTAGTGGAGAGCCACACTTTTCA
 CCAAGGAAGTGTGCTGCAGCGAGAGGTGGAGGTGAGAGTATGAGAGCATGGATAAGGCTGGCAACTCAT
 TGGCTGGCTACACATGGATGGGGCTAACCTGTCTGTCTTGTGCTGGTGGAGCACGCGCTCTCCAAGTCCAC
 TTCCTGCTGAGCGCAGCGCCTACTATAAGCCTCCTGTCTGCTGAGGAAGCTGCCAAGCAGAGGAAAAG
 AGAAGGTCTGGGCCACTATGAGGAGCAGCCTGTGGAGGAGTAAATGCCTGACTGGAAGAGAAGGAGCG
 CTCGGCCAGCTACAAGCCAGTGTGTGACCGAGATCACAGATGACCTGCATTTCTATGTGCAAGATGTG
 GAGACTGGCACCAGCTGGAAAACTGATGGAGAACATGCGCAGTGCATCTCCAGCCACCTCCTGTTG
 AGGGTGCCTACGCCCCACGCCGGGAGAGTTCTGCATTGCCAAATTTGTAGATGGAGAATGGTACCGCGC
 CCGGGTAGAAAAAGTGGAGTCCCTGCCAAAGTGCATGTCTTCTACATCGACTATGGCAATAGAGAGATC
 CTGCCATCCACCCGCTGGGTGCCCTACCACCTGCCTTCAGCACTCGCGTGTGCCAGCTCAAGCCACAG
 AGTATGCCTTCGCCTTATCCAGGTGCCCAAGATGAGGACGCTCGCACAGATGCTGTGGACAGTGTGGT
 GCGGGACATCCAAAACACTCAGTGCCTGCTCAACGTGGAGCACCTGAGTGCCAGCTGCCCCATGTCACT
 CTGCAGTTTGGGATTCCAAAGGTGATGTGGGCTGGGCTGGTGAAGGAAGGACTCGTCATGGTAGAAG
 TTCGGAAGGAGAAGCAGTTCAGAAAAGTATCACAGAGTACCTGAATGCCAGGAATCAGCCAAGAGTGC
 CAGGCTGAACCTGTGGCGCTATGGCGACTCCGAGCTGACGATGCTGATGAGTTGGCTACAGTCGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_022694

Insert Size:	2730 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:	<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.
RefSeq:	NM_022694.2 , NP_073185.2
RefSeq Size:	3475 bp
RefSeq ORF:	2730 bp
Locus ID:	64635
UniProt ID:	Q66X93
Cytogenetics:	4q22
Gene Summary:	Endonuclease that mediates miRNA decay of both protein-free and AGO2-loaded miRNAs (By similarity). As part of its function in miRNA decay, regulates mRNAs involved in G1-to-S phase transition (By similarity). Functions as a bridging factor between STAT6 and the basal transcription factor (By similarity). Plays a role in PIM1 regulation of MYB activity (By similarity). Functions as a transcriptional coactivator for STAT5 (By similarity). [UniProtKB/Swiss-Prot Function]