

Product datasheet for **MR211149**

Snd1 (NM_019776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snd1 (NM_019776) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snd1
Synonyms:	AL033314; Tudor-SN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211149 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTCCTCCGCGCAGAGCAGCGGCTCCTCCGGGGACCCCGGTCGCCACCGTGCAGCGGGCATCG
TCAAGATGGTCTCTCTGGGTGCGCCATAATTGTCCGAGGGCAGCCCCGGGGTGGTCTCCTCCTGAGAG
GCAGATCAACCTCAGCAACATTCGAGCTGGAAATCTTGCCCGTCGGGCAGCTGCCACACAACAGATGGG
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TACTAATGGGGAAAACATTGCAGAGTCGCTAGTTGCAGAAGGCTTGCCACCCGGAGAGAAGGCATGAGA
GCCAACACCCAGAGCAGAACC GGCTTT CAGAATGCGAGGAACAAGCAAAGGCATCGAAGAAAGGGATGT
GGAGTGAGGGCAACGGTTCACACACCATCCGGGACCTCAAGTACACCATTGAGAACC CAAGGCAC TTTGT
GGACTCACACCACCAGAAGCCAGTCAATGCTATCATTGAGCATGTTTCGAGACGGCAGTGTGGTCCGGGCC
CTGCTCCTTCCAGGTCAACACCTTGTACCCGTCATGCTCTCAGGGATTAAAGTGCCAACCTTCCGTCGGG
AAACAGATGGGAGTGAACGCGCGGAGCCCTTCGCTGCAGAAGCCAAGTTTTTCCCGAGTCTCGACTGCT
TCAGAGAGATGTTAGATCATTCTGGAGAGCTGCCACAATCAGAACCTTCTGGGTACCATCCTCCACCCG
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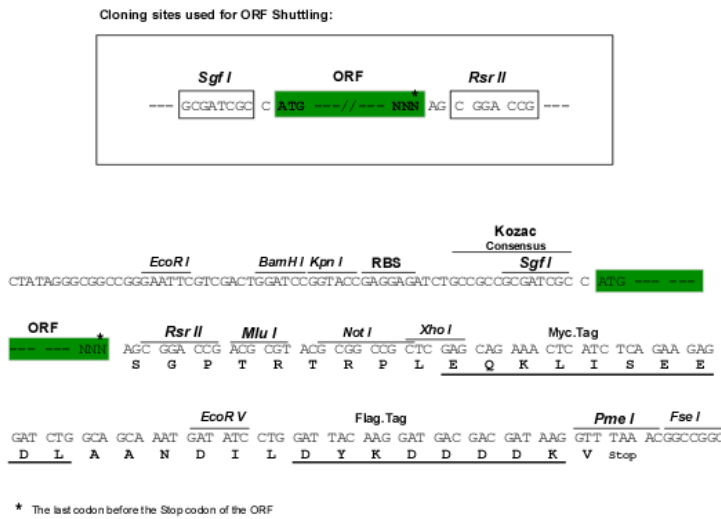
Protein Sequence: >MR211149 protein sequence
 Red=Cloning site Green=Tags(s)

MASSAQSSGSSGGPAVPTVQRGIVKMLVSGCAIIVRGQPRGGPPPERQINLSNIRAGNLARRAAATQPDG
 KDTPDEPWAFPAREFLRKKLIGKEVCF TIENKTPQGREYGMIIYLGKDTNGENIAESLVAEGLATRREGMR
 ANNPEQNRLSECEEQAKASKKGMWSEGNCSHTIRDLYTIENPRHFVDSHHQKPVNAIIIEHVDRGSSVRA
 LLLPGHHLVTVMLSGIKCPTFRRETGGSETPEPFAAEAKFFTESRLLQRDQVQIILESCHNQNLGTLILHP
 NGNITELLKKEGFARCDWSIAVYTRGAEKLRRAERFAKERRLRIRWRYVPTANLDQKDKQFVAKVMQV
 LNADAIIVKLNNGDYKTIHLSSIRPPRLEGDNIQDKNKKLRPLYDIPYMFAREFLRKKLIGKKNVNTVD
 YIRPASPATETVPAFSERTCATVTIGGINIAEALVSKGLATVIRYRQDDQDRSSHYDELLAAEARAIKNG
 KGLHSKKEVPIHRVADISGDTQKAKQFLPFLQRAGRSEAVVEYVSGSRLKLYLPKETCLITFLLAGIEC
 PRGARNLPLVQEGEPFSEEATLFTKELVLQREVEVEVESMDKAGNFIGWLHMDGANL SVLLVEQALSKV
 HFTAERSAYYKPLL SAEEAAKQRKEKVAHYEERPVEEVMPLVEEKERSASYKPVFVTEITDDLHFVYQD
 VETGTQLEKLMENMRNDISSHPPVEGSYAPRRGEFCIAKFVDGEWYRARRVEKVESPAKVHFVYIDYGNRE
 ILPSTRLGTLPPAFSTRVLPQAQTEYAFAFIQVPQDEEDARTDAVDSVVRDIQNTQCLLNVEHLSASCPHV
 TLQFADSKGDVGLGLVKEGLVMVEVRKEKQFQKVITEYLNQESAKSARLNLWRYGDFRADDADDFGYSR

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

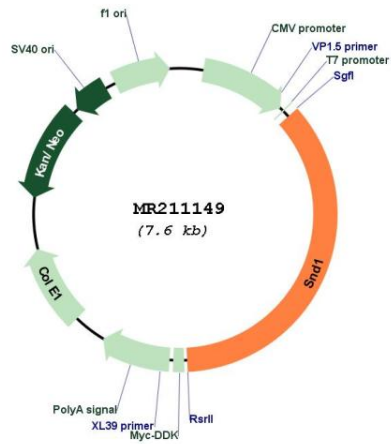
Cloning Scheme:



ACCN: NM_019776

ORF Size:	2733 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.
RefSeq:	NM_019776.2 , NP_062750.2
RefSeq Size:	3482 bp
RefSeq ORF:	2733 bp
Locus ID:	56463
UniProt ID:	Q78PY7
Cytogenetics:	6 A3.3
MW:	102.1 kDa
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 (PubMed:12819296). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211149