

Product datasheet for **RR216111**

Smndc1 (NM_001035234) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Smndc1 (NM_001035234) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Smndc1
Synonyms: MGC112663
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216111 representing NM_001035234
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGAGGATCTAGCAAAACAGTTGGCCAGCTACAAAGCTCAACTCCAGCAAGTAGAAGCTGCTCTAT
CGGGAAATGGAGAAAATGAAGATCTGCTGAACTGAAGAAGGATTTGCAAGAAGTCATAGAAGTACCAA
AGACCTTCTGTCAACTCAGCCTTCGGAACTCTACAAGTTCAGACAGCTTTGCTTCTACTCAGCCCACT
CATTTCATGGAAAGTAGGGGACAAGTGCATGGCCGTCTGGAGTGAAGATGGACAGTGTATGAGGCGGAGA
TCGAGGAGATCGATGAAGAGAACGGCACCGCTGCGATCACCTTCGCTGTCTATGGCAATGCCGAAGTGAC
TCCATTGTTGAACCTCAAGCCTGTAGAGGAAGGAAGGAAAAGCAAAAGAGGACAGCGGCAACAAACCCATG
TCAAAAAAAGAAATGATTGCCAGCAGCGTGAATATAAAAAGAAAAAGCTTTGAAAAAGCACAGAGAA
TAAAAGAGCTTGAGCAGGAGCGAGAGGACCAGAAGGTGAAATGGCAGCAGTTCAACAACAGGGCGTACTC
GAAAAACAAGAAAGGCCAGGTAAGAGGAGTATTTTTGCTTCGCCAGAAAGTGTAAACGGGCAAAGTCGGA
GTAGGAACTTGTGAATTGCTGACAAGCCCATGACACAGTATCAAGATACATCCAATACAATGTCAGGC
ATTTGATGCCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR216111 representing NM_001035234
 Red=Cloning site Green=Tags(s)

MSEDLAKQLASYKAQLQQVEAALSGNGENEDLLKLLKDLQVEIETKDLLSTQPSETLTSSDSFASTQPT
 HSWKVGDKMAVWSEDDGQCYEAEIEEIDEENGTAAITFAVYGNAEVTPLLNLPVEEGRKAKEDSGNKPM
 SKKEMIAQQREYKKKKALKKAQRILEQEEREDQKVKWQQFNNRAYSKNKKGQVKRSIFASPEVTKGVG
 VGTGCGIADKPMTYQDTSKYNVRHLMPO

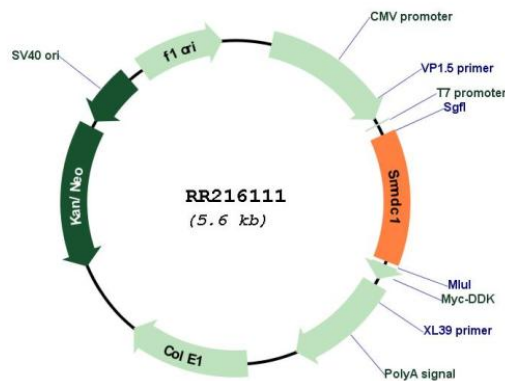
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001035234

ORF Size: 714 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_001035234.2 , NP_001030311.1
RefSeq Size:	2005 bp
RefSeq ORF:	717 bp
Locus ID:	287768
UniProt ID:	Q4QQU6
Cytogenetics:	1q55
MW:	26.8 kDa
Gene Summary:	Necessary for spliceosome assembly. Overexpression causes apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]