

Product datasheet for RN216111

Smndc1 (NM_001035234) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smndc1 (NM_001035234) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smndc1
Synonyms:	MGC112663
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216111 representing NM_001035234 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGAGGATCTAGCAAAACAGTTGGCCAGCTACAAAGCTCAACTCCAGCAAGTAGAAGCTGCTCTAT
CGGGAAATGGAGAAAATGAAGATCTGCTGAACTGAAGAAGGATTTGCAAGAAATCATAGAAGTACCAA
AGACCTTCTGCAACTCAGCCTTCGGAACTCTACAAGTTCAGACAGCTTTGCTTCTACTCAGCCACT
CATTTCATGGAAAGTAGGGGACAAGTGCATGGCCGTCTGGAGTGAAGATGGACAGTGTATGAGGCGGAGA
TCGAGGAGATCGATGAAGAGAACGGCACCGCTGCGATCACCTTCGCTGTCTATGGCAATGCCGAAGTGAC
TCCATTGTTGAACCTCAAGCCTGTAGAGGAAGGAAGGAAAGCAAAAGAGGACAGCGGCAACAAACCCATG
TCAAAAAAGAAATGATTGCCAGCAGCGTGAATATAAAAGAAAAAGCTTTGAAAAAGCACAGAGAA
TAAAGAGCTTGAGCAGGAGCGAGAGGACCAGAAGGTGAAATGGCAGCAGTTCAACAACAGGGCGTACTC
GAAAAACAAGAAAGGCCAGGTAAAGAGGAGTATTTTTCGCTTCGCCAGAAAGTGTAAACGGGCAAAAGTCGGA
GTAGGAACCTGTGGAATGCTGACAAGCCCATGACACAGTATCAAGATACATCCAATACAATGTCAGGC
ATTTGATGCCTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001035234
Insert Size:	717 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001035234.2, NP_001030311.1</u>
RefSeq Size:	2005 bp
RefSeq ORF:	717 bp
Locus ID:	287768
UniProt ID:	<u>Q4QQU6</u>
Cytogenetics:	1q55
Gene Summary:	<p>Necessary for spliceosome assembly. Overexpression causes apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript. Variants 1 and 2 both encode the same protein.</p>