

# Product datasheet for RC203791

### SMNDC1 (NM\_005871) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

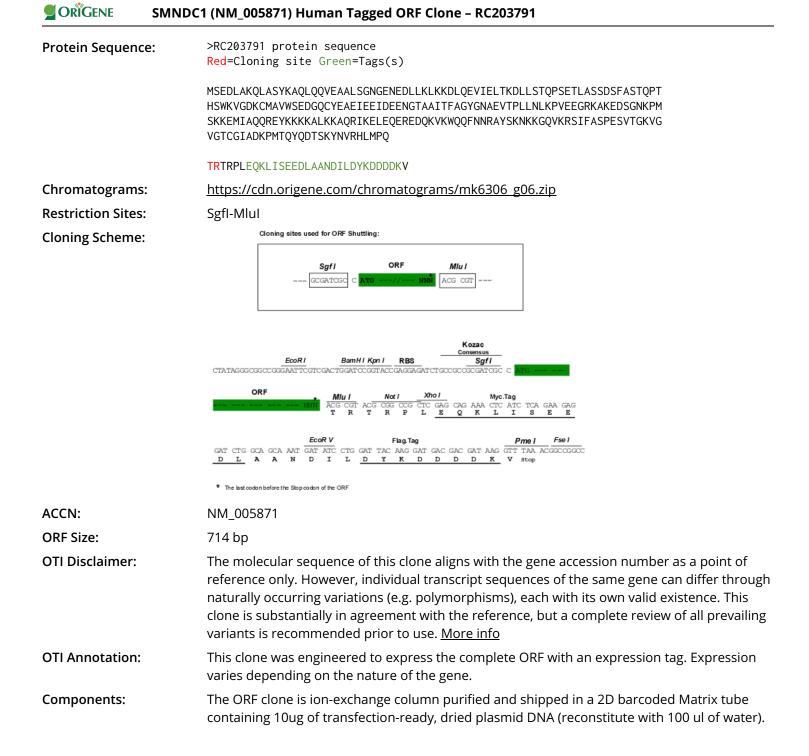
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	SMNDC1 (NM_005871) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMNDC1
Synonyms:	SMNR; SPF30; TDRD16C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC203791 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



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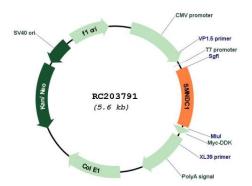


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## SMNDC1 (NM\_005871) Human Tagged ORF Clone - RC203791

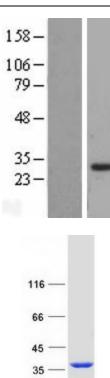
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 005871.4</u>
RefSeq Size:	2043 bp
RefSeq ORF:	717 bp
Locus ID:	10285
UniProt ID:	<u>075940</u>
Cytogenetics:	10q25.2
Domains:	TUDOR
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Spliceosome
MW:	26.7 kDa
Gene Summary:	This gene is a paralog of SMN1 gene, which encodes the survival motor neuron protein, mutations in which are cause of autosomal recessive proximal spinal muscular atrophy. The protein encoded by this gene is a nuclear protein that has been identified as a constituent of the spliceosome complex. This gene is differentially expressed, with abundant levels in skeletal muscle, and may share similar cellular function as the SMN1 gene. [provided by RefSeq, Jul 2008]

### **Product images:**



Circular map for RC203791

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25 18 14 Western blot validation of overexpression lysate (Cat# [LY417013]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203791 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified SMNDC1 protein (Cat# [TP303791]). The protein was produced from HEK293T cells transfected with SMNDC1 cDNA clone (Cat# RC203791) using MegaTran 2.0 (Cat# [TT210002]).

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