

Product datasheet for RC203791

SMNDC1 (NM_005871) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

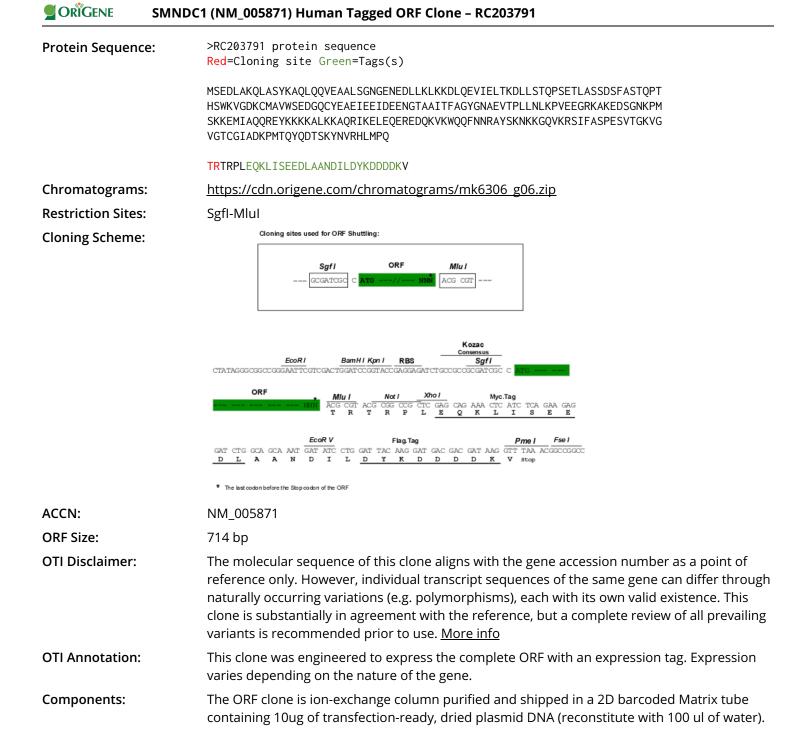
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Product Type:	Expression Plasmids
Product Name:	SMNDC1 (NM_005871) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMNDC1
Synonyms:	SMNR; SPF30; TDRD16C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>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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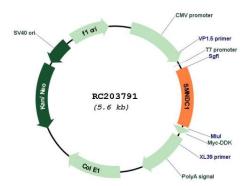


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SMNDC1 (NM_005871) Human Tagged ORF Clone - RC203791

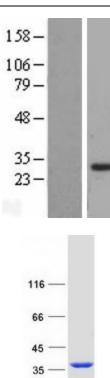
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 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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