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Product datasheet for RC216076

SPACA9 (NM_018956) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPACA9 (NM_018956) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPACA9
Synonyms:	C9orf9; Mast
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC216076 representing NM_018956
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATGAGGTGAAAGAATCCCTTCGCAGCATCGAGCAGAAGTACAAGCTCTTCCAGCAGCAGCAGCTCA
CCTTCACCGCCGCTCTGGAGCACTGCAGGGAGAACGCCCACGACAAGATCCGGCCCATCTCCAGCATTGG
ACAGGTGCAGAGCTACATGGAACACTACTGCAACAGCTCCACAGACCGGCGGGTTCTGCTCATGTTCCTG
GACATCTGTTCAGAGCTGAATAAGCTCTGCCAGCACTTTGAGGCCGTGCACTCTGGCACCCCAGTCACCA
ACAACCTCCTGGAGAAATGCAAAACCCTCGTTAGCCAAAGCAACGACTTAAGCAGCCTCAGAGCAAAATA
CCCTCATGATGTGGTGAACCACCTCAGCTGTGACGAGGCCCGGAACCACTACGGCGGCGTGGTCAGCCTC
ATCCCCCTCATCCTAGACTTAATGAAAGAATGGATCGCCCACTCCGAGAAGTTGCCGCGCAAGGTGCTGC
AGCACGTGAGTGAGCCCCAGGCGCACCAGGAGAGCACCAGGGGAGCCGCTCGTCCTGCCCAGGCCATAGG
GACCCAGCCCAGGGCCACTAAACACAAGTGTAGACAGCTCACAAAAGCCAGCCTCAAACCCAGGGGATGT
TCAAAACCACCCTGGAGGCCTCCTGGTGGGAAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

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Protein Sequence:

```
>RC216076 representing NM_018956
Red=Cloning site Green=Tags(s)

MNEVKESLRSIEQKYKLFQQQQLTFTAALEHCRENAHDKIRPISSIGQVQSYMEHYCNSSTDRRVLLMFL
DICSELNKLCQHFEAVHSGTPVTNNLLEKCKTLVSQSNDLSSLRAKYPHDVVNHLSCDEARNHYGGVVSL
IPLILDLMKEWIAHSEKLPRKVLQHVSEPQAHQESTRGAARPAQAIGTQPRATKHKCRQLTKASLKPRGC
SKPPWRPPGGKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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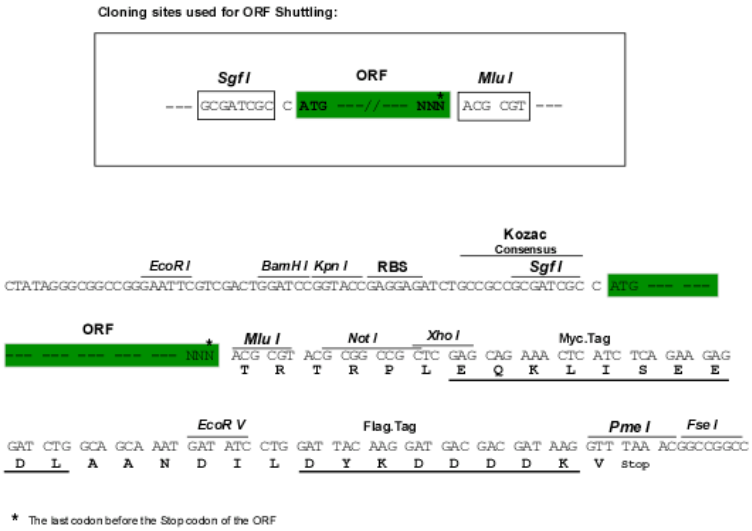
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018956

ORF Size: 666 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).

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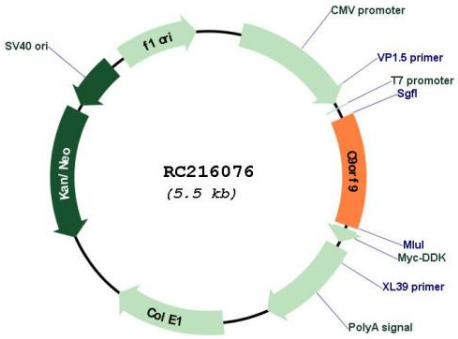
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018956.2, NP_061829.2
RefSeq Size:	2214 bp
RefSeq ORF:	507 bp
Locus ID:	11092
UniProt ID:	Q96E40
Cytogenetics:	9q34.13
MW:	19.1 kDa

Product images:



Circular map for RC216076

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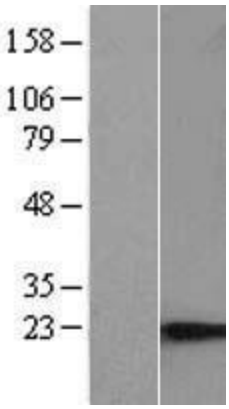
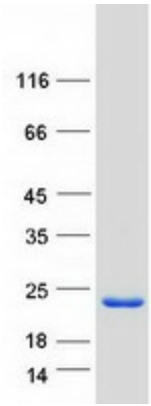


Western blot validation of overexpression lysate (Cat# [LY412860]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216076 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SPACA9 protein (Cat# [TP316076]). The protein was produced from HEK293T cells transfected with SPACA9 cDNA clone (Cat# RC216076) using MegaTran 2.0 (Cat# [TT210002]).

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