

## 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<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGAGGTGAAAGAATCCCTTCGCAGCATCGAGCAGAAGTACAAGCTCTCCAGCAGCAGCAGCTCA  
CCTTCACCGCCGCTCTGGAGCACTGCAGGGAGAACGCCACGACAAGATCCGGCCCATCTCCAGCATTGG  
ACAGGTGCAGAGCTACATGGAACACTACTGCAACAGCTCCACAGACCGGGGTTCTGCTCATGTTCTTG  
GACATCTGTTTACAGAGCTGAATAAGCTCTGCCAGCACTTTGAGGCCGTGCACTCTGGCACCCAGTCACCA  
ACAACCTCCTGGAGAAATGCAAAACCCTCGTTAGCCAAAGCAACGACTTAAGCAGCCTCAGAGCAAATA  
CCCTCATGATGTGGTGAACCACCTCAGCTGTGACGAGGCCCGGAACCACTACGGCCGGCTGGTCAAGCCTC  
ATCCCCCTCATCTAGACTTAATGAAAGAATGGATCGCCCACTCCGAGAAGTTGCCGCGCAAGGTGCTGC  
AGCACGTGAGTGAGCCCCAGGCGCACCAGGAGAGCACCAGGGGAGCCGCTCGTCCCTGCCAGGCCATAGG  
GACCCAGCCCAGGGCCACTAAACACAAGTGTAGACAGCTCACAAAAGCCAGCCTCAAACCCAGGGGATGT  
TCAAAACCACCCTGGAGGCCTCTGGTGGGAAATTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC216076 representing NM\_018956  
 Red=Cloning site Green=Tags(s)

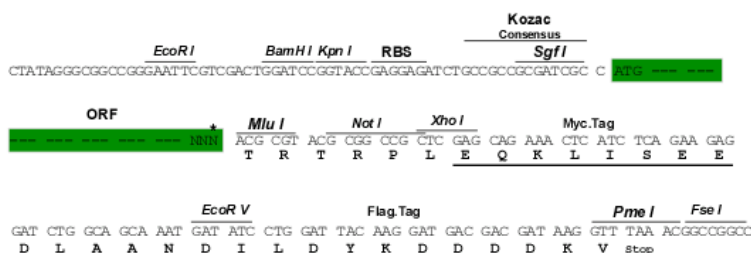
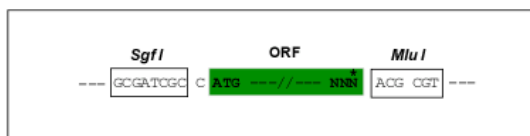
MNEVKESLRSIEQKYKLFQQQLTFTAALHCRENAHDKIRPISSIGQVQSYMEHYCNSSTDRRVLLMFL  
 DICSELNKLQHF EAVHSGTPVTNNLLEKCKTLVSQSNLSSLRKYPHDVVNHLSCDEARNHYGGVVS  
 IPLILDLMKEWIAHSEKLPKVLQHVSEPAHQESTRGAARPAQAIGTQPRATKHKCRQLTKASLKPRGC  
 SKPPWRPPGGKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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).

**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.

**RefSeq:** [NM\\_018956.2](#), [NP\\_061829.2](#)

**RefSeq Size:** 2214 bp

**RefSeq ORF:** 507 bp

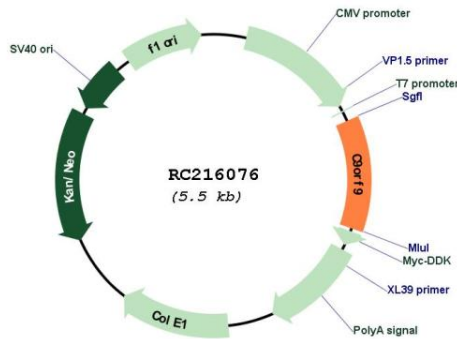
**Locus ID:** 11092

**UniProt ID:** [Q96E40](#)

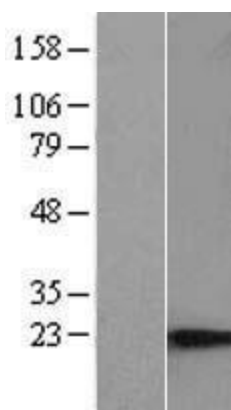
**Cytogenetics:** 9q34.13

**MW:** 19.1 kDa

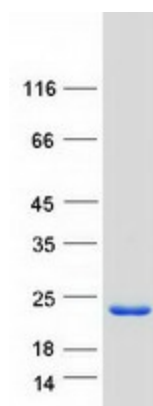
**Product images:**



Circular map for RC216076



Western blot validation of overexpression lysate (Cat# [LY412860]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected 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]).