

## Product datasheet for RC219607

### SPDYE5 (NM\_001099435) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPDYE5 (NM_001099435) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPDYE5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219607 representing NM_001099435 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCAGAAGCATTACACGGTGGCCTGGTTTCTTTACTCAGCCCCTGGGGTAGATCCCAGCCCCCATGTA  
GGTCCCTTGGCTGGAAAAGGAAGAGGGAGTGGTCAGATGAATCTGCGGAGGAGCCGGAGAAGGAGCTCGC  
CCCTGAGCCTGAGGAGACCTGGGTAGTGGAGATGCTGTGTGGGCTCAAGATGAAGCTGAAGCAACAGCGA  
GTGTCACCCATCCTCCCTGAGCACCACAAGGGCTTCAACAGTCAGCTTGCCCTGGGGTAGATCCCAGCC  
CCCCGCATAGGTCCTTTGCTGGAAAAGGAAGATGGAGTGGTGGGACGAATCTGAGGAGTCGTTGGAGGA  
GGAGCCACGGAAGGTGCTCGCCCTGAGCCTGAGGAGATCTGGGTGGCGGAGATGCTGTGTGGCCTCAAG  
ATGAAGCTGAAGCGACGGCGAGTGTGCTCGTCCCTGAGCACCACGAGGCCCTTCAACAGGCTGCTTG  
AGGATCCTGTCAATAAAAGATTCTGGCCTGGGACAAAGATCTGAGGGTGTGCGACAAGTATCTCCTGGC  
TATGGTCATAGCGTATTTAGCCGGGCCGGCTTCCCTCCTGGCAATACCAACGCATTCAATTTCTCCTG  
GCTCTCTACCTGGCCAATGACATGGAGGAGGACGACGAGGACTCCAAACAAAACATCTTCCACTTCTGT  
ATGGGAAGAACCCTCTCGCATACCCTTGTCCGTAAGCGTCGGTTCCAGTTAGGCCGTTCCATGAACCC  
GAGGGCCAGGAAGAACCCTCTCGCATACCCTTGTCCGTAAGCGTCGGTTCCAGTTAGGCCGTTCCATG  
AACCTGAGGGCCAGGAAGAACCCTCTCAGATAGTCTGTTCCAGAAACGTCGGTTCCAGTTCTTCTGTT  
CCATGAGCGGCAGGGCTTGGGTTTCCCGGAGGAGTTGGAGGAGATCCAGGCTTATGACCCAGAGCACTG  
GGTGTGGGCGCGAGATCGCGCTCGCCTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC219607 representing NM\_001099435  
Red=Cloning site Green=Tags(s)

MQKHVTVAWFLYSAPGVDPSPPCRSLGWKRKREWSDESAEEPEKELAPEPEETWVVEMLCGLKMKLKQQR  
 VSPILPEHHKGFNSQLAPGVDPSPPHRSFCWKRKMEWDESEESLEEEPRKVLAPEPEEIWVAEMLCGLK  
 MKLKRRLVSLVLPHEHAFNRLLLEDPVIKRFLLAWDKDLRVSDKYLLAMVIAYFSRAGFPQYQRIHFFL  
 ALYLANDMEEDDEDSKQNIHFHLYGKNRSRIPLLRKRRFQLGRSMNPRARKNRSRIPLLRKRRFQLGRSM  
 NLRARKNRSQIVLQKRRFQFFCSMSGRAWVSPEELLEEIQAYDPEHWVWARDRARLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8019\\_e11.zip](https://cdn.origene.com/chromatograms/mk8019_e11.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001099435

**ORF Size:** 1011 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\\_001099435.1](#), [NP\\_001092905.1](#)

**RefSeq Size:** 2667 bp

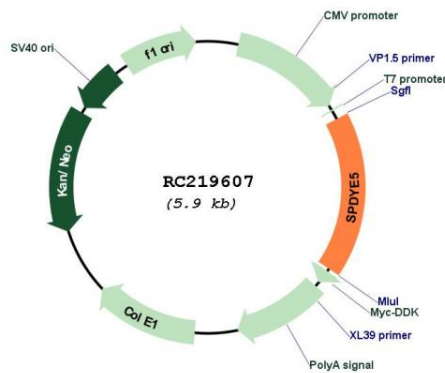
**RefSeq ORF:** 1014 bp

**Locus ID:** 442590

**Cytogenetics:** 7q11.23

**MW:** 40.3 kDa

**Product images:**



Circular map for RC219607