

## Product datasheet for **RC216044**

### SPDYE1 (NM\_175064) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPDYE1 (NM_175064) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPDYE1
Synonyms:	Ringo1; SPDYB2L2; SPDYE; WBSCR19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216044 representing NM_175064 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGAAGCATTACACAGTGGCCTGGTTTCTTTACTCAGCCCCTGGGGTAGATCCCAGCCCCCATGTA  
GGTCCCTTGGCTGGAAAAGGAAGAGGGAGTGGTCAGATGAATCTGAGGAGGAGCCGGAGAAGGAGCTCGC  
CCCTGAGCCTGAGGAGACCTGGGTAGTGGAGACGCTGTGTGGCTCAAGATGAAGCTGAAGCAACAGCGA  
GTGTCACCCATCCTCCTTGAGCACCACAAGGACTTCAACAGTCAGCTTGCCCTGGGGTAGATCCCAGCC  
CCCCGCATAGGTCCTTTGCTGGAAAAGGAAGATGGAGTGGTGGGACAAATCTGAGGAGTCGGAGGAGGA  
GCCACGGAAGGTGCTCGCCCTGAGCCTGAGGAGATCTGGGTGGCGGAGATGCTGTGTGGCTCAAGATG  
AAGCTGAAGCGACGGCGAGTGTCTGCTCCTGAGCACCACGAGGCCTTCAACAGGCTGCTTGAGG  
ATCCTGTCAATAAAGATTCTGGCCTGGGACAAAGATCTGAGGGTGTGGACAAGTATCTCCTTGCTAT  
GGTCATAGCGTATTTAGCCGAGCCGGCTTCCCCTCCTGGCAATACCAACGCCTTCATTTCTTCTGGCT  
CTTACCTGGCCAATGACATGGAGGAGGACGAGGACTCCAACAAAACATCTTCCACTTCTGTATG  
GGAAGAACCGCTCTCGCATACCTTGTCCGTAAGCGTCGGTTCAGTTATACCGTTCATGAACCCGAG  
GGCCAGGAAGAACCGCTCTCACATACCTTGGTCCGTAAGCGTCGGTTCAGTTACGCCGTTGCATGAAC  
CCGAGGGCCAGGAAGAACCGCTCAGATAGTCTGTTCAGAAACGTCGGTTCACTTCTTCTGTTCCA  
TGAGTGCAGGGCTTGGGTTTCCCAGAGGAGTTGGAGGAGATCCAGGCTTATGACCCAGAGCACTGGGT  
GTGGGCGGAGATCGCGCTCGCCTTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC216044 representing NM\_175064  
Red=Cloning site Green=Tags(s)

MQKH~~Y~~TVAWFLYSAPGVDPSPPCRSLGWKRKREWSDESEEEPEKELAPEPEETWVVETLCGLKMKLKQQR  
VSPILLEHHKDFNSQLAPGVDPSPPHR~~S~~FCWKRKMEWWDKSESEEEPRKVLAPEPEEIIWAEMLCGLKM  
KLKRRRVS~~L~~VLP~~E~~HHEAFNRLLED~~P~~VIKRF~~L~~AWDKDLRVSDKYLLAMVIA~~Y~~FSRAGF~~P~~SWQYQRLHFFLA  
LYLANDMEEDDED~~S~~KQNI~~F~~HFLY~~G~~KNRSRI~~P~~LLR~~K~~RRFQLY~~R~~SMNPRARK~~N~~RSHI~~P~~LVR~~K~~RRFQLRRCMN  
PRARK~~N~~RSQIVL~~F~~Q~~K~~RRFHF~~F~~CMS~~C~~RAWVSPEELEEIQA~~Y~~DPEH~~W~~VWARD~~R~~ARLS

TRTRPLE~~Q~~KLISEEDLAANDILDYKDDDDK~~V~~

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8028\\_c09.zip](https://cdn.origene.com/chromatograms/mk8028_c09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175064

**ORF Size:** 1008 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\\_175064.4](#)

**RefSeq Size:** 2691 bp

**RefSeq ORF:** 1011 bp

**Locus ID:** 285955

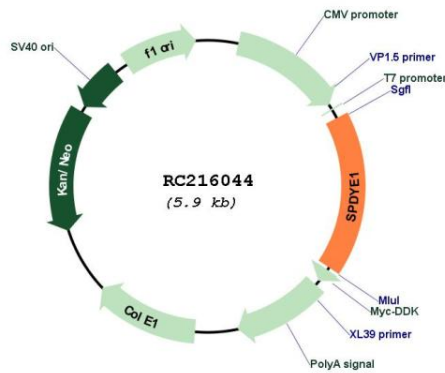
**UniProt ID:** [Q8NEV5](#)

**Cytogenetics:** 7p13

**MW:** 98.7 kDa

**Gene Summary:** This gene is located at chromosome 7p13 which is close to the Williams Beuren syndrome chromosome region 7q11.23. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC216044