

Product datasheet for **RG216044**

SPDYE1 (NM_175064) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPDYE1
Synonyms:	Ringo1; SPDYB2L2; SPDYE; WBSCR19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216044 representing NM_175064
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGAAGCATTACACAGTGGCCTGGTTTCTTTACTCAGCCCCTGGGGTAGATCCCAGCCCCCATGTA
GGTCCCTTGGCTGGAAAAGGAAGAGGGAGTGGTCAGATGAATCTGAGGAGGAGCCGGAGAAGGAGCTCGC
CCCTGAGCCTGAGGAGACCTGGGTAGTGGAGACGCTGTGTGGGCTCAAGATGAAGTGAAGCAACAGCGA
GTGTCACCCATCCTCCTTGAGCACCACAAGGACTTCAACAGTCAGCTTGCCCTGGGGTAGATCCCAGCC
CCCCGCATAGGTCTTTTGTGCTGAAAAGGAAGATGGAGTGGTGGGACAAATCTGAGGAGTCGGAGGAGGA
GCCACGGAAGGTGCTCGCCCTGAGCCTGAGGAGATCTGGGTGGCGGAGATGCTGTGTGGCCTCAAGATG
AAGCTGAAGCGACGGAGTGTGCTCGTCTCCCTGAGCACCACGAGGCCTTCAACAGGCTGCTTGAGG
ATCCTGTCAATTAAGATTCTGGCCTGGGACAAAGATCTGAGGGTGTGGACAAGTATCTCCTTGCTAT
GGTCATAGCGTATTTAGCCGAGCCGGCTTCCCTCCTGGCAATACCAACGCCTTCATTTCTCTGGCT
CTCTACCTGGCCAATGACATGGAGGAGGACGACGAGGACTCCAAACAAAACATCTTCCACTTCCTGTATG
GGAAGAACCGCTCTCGCATACCTTGTCCGTAAGCGTCGGTTCAGTTATACCGTTCCATGAACCCGAG
GGCCAGGAAGAACCGCTCTCACATACCTTGGTCCGTAAGCGTCGGTTCAGTTACGCCGTTGCATGAAC
CCGAGGGCCAGGAAGAACCGCTCTCAGATAGTCCTGTTCCAGAAACGTCGGTTCCACTTCTTCTGTTCCA
TGAGCTGCAGGGCTTGGGTTTCCCAGAGGAGTTGGAGGAGATCCAGGCTTATGACCCAGAGCACTGGGT
GTGGGCGCGAGATCGCGCTCGCCTTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG216044 representing NM_175064
Red=Cloning site Green=Tags(s)

MQKHVTVAWFLYSAPGVDPSPPCRSLGWKRKREWSDESEEEPEKELAPEPEETWVETLCGLKMKLKQQR
VSPILLEHHKDFNSQLAPGVDPSPPHRSFCWKRKMEWWDKSESEEEPRKVLAPEPEEIWVAEMLCGLKM
KLKRRRVSLVLEPHHEAFNRLLEDPIKRFKFLAWDKDLRVSDKYLAMVIAFYFRAGFSPWQYQRLHFFLA
LYLANDMEEDDESKQIFHFLYGKNRSRIPLLRKRRFQLYRSMNPRARKNRSHIPLVRKRRFQLRRCMN
PRARKNRSQIVLFQKRRFHFFCSMSCRAWVSPEELEEQAYDPEHWVWARDRLRS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175064

ORF Size: 1008 bp

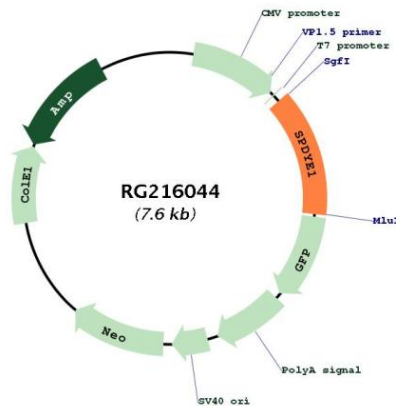
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_175064.4</u>
RefSeq Size:	2691 bp
RefSeq ORF:	1011 bp
Locus ID:	285955
UniProt ID:	<u>Q8NFV5</u>
Cytogenetics:	7p13
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 RG216044