

Product datasheet for **SC301372**

Speedy protein C (SPDYC) (NM_001008778) Human Untagged Clone

Product data:

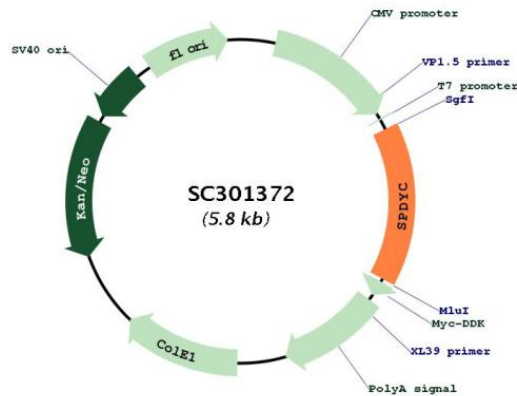
Product Type:	Expression Plasmids
Product Name:	Speedy protein C (SPDYC) (NM_001008778) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPDYC
Synonyms:	Ringo2; RINGOC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301372 representing NM_001008778. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCTCTGGGCCATTCTGAGCTCGGGTCACCCTGCCCATCTCCATCTCCTATGAGATGAGTGACTCC
CAAGACCCACCACTTCCCCTGTAGTTACCACCCAGGTAGAGCTGGGGGGCTGCAGCCGGCAAGTTGGG
GGCAATGGGTTCCCTCCGTTTTCGCCAGCACCAGGAGGTCCAGGCCTTCTCAGCCTTCTGGAGGACAGT
TTTGTCCAGGAATTCCTCTCAAAGACCCCTGCTTCCAGATTTCCAGATAAGTATCTCTGGCCATGGTG
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TCAAGGGTCAAAAACGCCTGGGGTGGGGACTTTCTCATCGTCTTGCCCTCCCAGATGCAACTGGAACCA
GGCACCTACTCCCTCCGCATCTTCCAAAGCCTCCGGCACGCCCTGGGCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001008778

Insert Size: 882 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001008778.1](#)

RefSeq Size: 882 bp

RefSeq ORF: 882 bp

Locus ID:	387778
UniProt ID:	Q5MJ68
Cytogenetics:	11q13.1
Protein Pathways:	Oocyte meiosis, Progesterone-mediated oocyte maturation
MW:	33.2 kDa
Gene Summary:	Promotes progression through the cell cycle via binding and activation of CDK1 and CDK2. Involved in the spindle-assembly checkpoint. Required for recruitment of MAD2L1, BUBR1 and BUB1 to kinetochores. Required for the correct localization of the active form of Aurora B in prometaphase.[UniProtKB/Swiss-Prot Function]