

## Product datasheet for **SC125058**

### SPINDOC (NM\_138471) Human Untagged Clone

#### Product data:

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                               |
| Product Name:             | SPINDOC (NM_138471) Human Untagged Clone                                                          |
| Tag:                      | Tag Free                                                                                          |
| Symbol:                   | SPINDOC                                                                                           |
| Synonyms:                 | C11orf84; SPIN-DOC                                                                                |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL4</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_138471, the custom clone sequence may differ by one or more nucleotides |

ATGGCCCTAAAGGCCGAGGGCGCCGCACTCGACTGCTTCGAGGTGACGCTGAAATGCGAGGAAGGGGAGG  
ACGAGGAGGAGGCCATGGTGGTGGCCGTAATTCGCGGCCCGAGCCGATGCTCAGAGTGACCCAACAGGA  
GAAGACCCACCGCCTAGACCCAGCCCGCTAGAGGCAGGCAGTGATGGCTGTGAGGAGCCGAAGCAGCAG  
GTGTCTTGGGAGCAGGAGTTCTGGTGGGCAGCAGCCAGGAGGCAGCGGGCGGGCACTGTGCATGGTGT  
GTGGCGCTGAGATCCGGGCACCCTCGGCCGACACAGCTCGCTCGCACATCTTGAGCAGCACCCCTCACAC  
CTTGACCTGAGCCCTTCTGAGAAGAGCAATATCCTGGAGGCCTGGAGTGAAGGGGTGGCCCTCTTGCAA  
GACGTGAGAGCTGAGCAGCCGTCGCCACCCAACCTCAGACTCGGGCCAGGATGCCACCCAGACCCAGACG  
CCAACCCAGACGCTGCCAGAATGCCAGCCGAAATCGTCGTTCTCCTTGACTCTGAGGATAACCCATCCCT  
CCCTAAAAGGAGCAGGCCAGGGGACTCCGCCCCCTCGAGCTTCTGCTGTCCCTGCCACAGAGCCAGGA  
AATAAGAAGCCCCGTGGTCAGAGATGGAAGGAACCCCCAGGGGAAGAGCCAGTCAGAAAGAAAAGAGGCA  
GACCTATGACCAAAAACCTGGACCCTGACCCAGAGCCCCATCGCCAGACTCGCCACGGAGACTTTCGC  
AGCACCAGCCGAGGTCCGACACTTCACTGACGGCAGCTTCCCCGCCGGCTTCGTCTTGACGCTCTTCTCC  
CACACCCAGCTCAGGGGCCAGACAGCAAGGACTACCCAAAGACAGGGAAGTGGCAGAAGGAGGCCCTTC  
CCCGGGCGGAGAGCCCTCTCCAGCTCCCCCTCCGGGGCTCCGCGGGACACTGGATCTCCAGGTTATCCG  
CGTGCGGATGGAGGAGCCCCAGCGGTACGCTCCTGCAAGACTGGTCCAGGCACCCCAAGGCACCAAG  
CGTGTGGGAGCAGGTGACACCTCAGACTGGCCACAGTTCTGTCAAGATCCAGCACCAGTGTGGCAGGGA  
AGCCGGAAGGAATGGAGTGTA



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|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_138471 unedited</p> <p>CAAAAAGGGGCACACNAAACACCTCTCCCCCNCTGTTCTGGGATTTGTNATACGACTCA<br/> TTATAGGCGGCCGCGNAATTGCGACCAGGCTGCGCGGGGCGGGCGGGCCGGCGCTA<br/> TTCCGGCCAGGAGGCGGGAGGCGGTTGCCGGCTGCGCGCCGAAGCCTGCGCGCCAGTCCT<br/> CCGGCCACTGCTATCGCCACGGCCGCACCATGGCCCTAAAGGCCGAGGGCGCCGCACTC<br/> GACTGCTTCGAGGTGACGCTGAAATGCGAGGAAGGGGAGGACGAGGAGGAGGCCATGGTG<br/> GTGGCCGTAATTCCGCGGCCCGAGCCGATGCTCAGAGTGACCCAAACAGGAGAAGACCCCA<br/> CCGCCTAGACCCAGCCCGCTAGAGGCAGGCAGTGATGGCTGTGAGGAGCCGAAGCAGCAG<br/> GTGTCTTGGGAGCAGGAGTTCCTGGTGGGCAGCAGCCAGGAGGCAGCGGGCGGGCACTG<br/> TGCATGGTGTGTGGCGCTGAGATCCGGGCACCCTCGGCCGACACAGCTCGCTCGCACATC<br/> TTGGAGCAGCACCCCTCACACCTTGGACCTGAGCCCTTCTGAGAAGAGCAATATCTGGAG<br/> GCCTGGAGTGAAGGGGTGGCCCTCTTGCAAGACGTGAGAGCTGAGCAGCCGTCCCCACCC<br/> AACTCAGACTCGGGCCAGGATGCCACCCAGACCCAGACGCCAACCCAGACGCTGCCAGA<br/> ATGCCAGCCCGAATCGTCGTTCTCCTTGACTCTGAGGATAACCCATCCCTCCCCTAAAGG<br/> AGCANGCCAGGGGACTCCGCCCTCGAGCTTCTGCTGTCCCTGCCACAGAGCCAGAA<br/> AATAGAAGCCCCGTGGTCAGAGATGGAAGGAACCCCAAGGGAAGAGCCAGCCCNAAAGAA<br/> AAGAGGCAGACCTATGACAAAAAAGTGGACCCTGACCCAAAGCCCCATTGNCAGACTCGC<br/> CCACGGAGACTTTCGCAA</p> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ACCN:</b>                        | NM_138471                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Insert Size:</b>                 | 4000 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq:</b>                      | <u><a href="#">NM_138471.1</a></u> , <u><a href="#">NP_612480.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>                 | 2004 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>                  | 1146 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Locus ID:</b>                    | 144097                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID:</b>                  | <u><a href="#">Q9BUA3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>                | 11q13.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Gene Summary:**

Negatively regulates the transcriptional activator activity of SPIN1 via inhibition of its histone methyl-binding ability. Represses the expression of a number of SPIN1-regulated genes and the SPIN1-mediated activation of the Wnt signaling pathway. Can also inhibit the histone methyl-binding abilities of SPIN2A, SPIN2B, SPIN3 and SPIN4 (PubMed:29061846).  
[UniProtKB/Swiss-Prot Function]