

Product datasheet for **SC113945**

Spindly (SPDL1) (NM_017785) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spindly (SPDL1) (NM_017785) Human Untagged Clone
Tag:	Tag Free
Symbol:	Spindly
Synonyms:	CCDC99
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113945 sequence for NM_017785 edited (data generated by NextGen Sequencing)

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ATGGAGGCAGATATAATCACAAATCTTCGATGCAGGCTCAAAGAGGCTGAAGAAGAGCGA
CTAAAAGCTGCACAGTATGGTTTACAAC TAGTAGAGAGTCAAAATGAATTACAGAATCAA
TTGGATAAATGTCGTAATGAAATGATGACCATGACTGAGAGTTATGAACAAGAAAAATAT
ACCTTTCAAAGAGAAGTTGAACTCAAGAGTCGAATGTTAGAAAGTTTGAGCTGCGAATGT
GAAGCTATTAACAACAACAAAAATGCACCTGGAGAAATTGGAAGAACAAC TAAGCAGA
AGCCATGGACAGGAAGTGAATGAACTAAAACTAAGATAGAAAACTGAAAGTGGAATTA
GATGAAGCCAGGCTTAGTGAAAAAGCAGCTGAAGCACCAAGTAGATCATCAGAAGGAACTC
CTCTCTTGTAATCAGAGGAACTGCGCGTAATGTCTGAACGTGTGCAGGAAAGCATGTCT
TCAGAGATGCTGGCTCTTCAAATTGAGCTGACAGAAATGGAGAGTATGAAGACCACCTC
AAAGAAGAAGTGAATGAACTACAATACAGACAAGAACAGCTAGAAGTCTTATTACTAAC
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TCTTACTATAATGCCCTAGAGAAAGCTCGTGTAGCAAATCAAGATCTTCAGGTACAGTTG
GACCAGGCACTCCAGCAAGCCTTGATCCCAATAGTAAAGGCAACTCTTTGTTTGCAGAG
GTGGAAGATCGAAGGGCAGCAATGGAACGTCAGCTTATCAGTATGAAAGTCAAGTATCAG
TCACTAAAGAAGCAAAATGTATTTAACAGAGAACAGATGCAGAGAATGAAGTTACAAATT
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GAAGAGACAGTTGAAGTGCCTGTACTGAAAAAGAGGCGTGAGGTGCTCCCTGTGGATATA
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CCGCCTCAGAAAGAGGAGACACAGTCTGCCCTAACAGTTTAGAAGATAACAACCTTGCAA
TTAGAAAAATCAGTTTCTATACACACACAGTAGTCAGTCTCTCTCCTCACAAAAATCTG
CCCGTGGATATGCAGCTGAAGAAGGAAAAAGAAATGTGTGAACTCATAGGAGTTCCCGCT
GACGCTGAGGCCTTAAGTGAAGAAGTGGAAACACCCCTAACTCTCCAGGTTAGCTGCT
GAATCAAAGCTTCAAACAGAAGTTAAAGAAGGAAAAAGAACTTCAAGCAAATTGGAAAAA
GAAACTTGTAAGAAATCACACCCTATTCTATATGTGCTTCTAAATCTACTCCAGAGACC
CAGTGCCCTCAACAGTAA

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Clone variation with respect to NM_017785.4
 816 c=>t;1522 t=>c;1757 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017785 unedited
 GGTTACCATTTGTATACGACTACTATAGGCGGCCGCAATTTCGCACGAGGGAGCGAATG
 GGCCGGCGACTGTGGAGTTAGCGTCCTCATGTGGACGCCCTGAGCTCCCATAGGAGCCG
 CTGGCTGCGGCAGCAGGGGACTAGCGTGAGAGTTGGCTAAAAAAGAAAAAGACATGGA
 GGCAGATATAATCACAATCTTCGATGCAGGCTCAAAGAGGCTGAAGAAGAGCGACTAAA
 AGCTGCACAGTATGGTTTACAAC TAGAGAGTCAAAATGAATTACAGAATCAATTGGA
 TAAATGTCGTAATGAAATGATGACCATGACTGAGAGTTATGAACAAGAAAAATATACCCCT
 TCAAAGAGAAAGTTGAACTCAAGAGTCGAATGTTAGAAAGTTTGAGCTGCGAATGTGAAGC
 TATTAACAACAACAACAAAAATGCACCTGGAGAAATTGGAAGAACAATAAGCAGAAGCCA
 TGGACAGGAAGTGAATGAACTAAAACTAAGATAGAAAACTGAAAGTGAATTAGATGA
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 AGAAAGTGATGNAACTACATACANGACAGAACAGCTAGAACTTCTATTACTAACCTAAT
 GCGCCAGTAGACCGGCTTANAGAGGAAAAAGAGAGCGAGAGAAAGAGCAGTTNCTTAC
 TATAATGCCCTAGAGAAAGCTCGTGTAGCAAATCAAGATCTTTCAGTACAGTTGGNACC
 AGCACTTCACCAGCCCTGGATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017785 unedited
 TGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGGAAAAACACGGGGTTTTTTTTT
 AAAATTTTAAACAAAATTTAAATCTTGTTTTTAAACCAAAAAGGAACCTTGGTTTTTTA
 AACCTGACAAAATCCTGAAACAATTTAAGGTTTTTTTTTAAACCACTTTTCCTTTTTT
 TACAAAAAAGTTAACACCTTCCCTTTTTTACAACATAGTTTAAACTAAGTTTATAAAA
 AAAAGTCCCTGGGAAAATTTGATGGAAGCTTTTTCAAAACCGGGGTTTGGGGGAAAAA
 ACTTGTTTTTTTATCATTTAACCATATCCAAGCGGCAAAAAAACCTTAATTATAAC
 CTTTCCCTTCAATAAAAAGTTTATTTCCCGGCAAAAAACCCCATGAAGGGGCATCACTT
 AAAACCTCTCCAGGTTAAAGCAAACCAATTTTGAACACTTGGTCAAAGGCCCATAAAA
 ATGCCCCGGCCCTGGCCCAATGAGTAAATACCCCAAGGGGATTTTGTCAAATAAAAAAC
 AATTTTAACCACCATATAAATTTTGGGCAAGGGGCACCGTCTCTTTTTAAAAAAG
 TCTTTACTGTGGAGGGCACTGGGTCTCTGGAGTTAATTTAAAAAACCTTTTGAATGGGG
 GGGATTTCTTACAGTTTCTTTTTCCAATTGCTAGAGGNTCCTTCTCTTTACTTCCGG
 NGAAGCCTTGATTCACAGCTACCTGGGAGAGTGGGGGGGTCCCTTTNTTTACTTAGG
 GCCCAACGTAAGCGGAACCTCTAAGAGTTCACCATTTTTCTTCTTAGTGCTTCCCGG
 ACAATTTTGGAGGAAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_017785

Insert Size:

2700 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).

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_017785.2](#), [NP_060255.2](#)

RefSeq Size: 2561 bp

RefSeq ORF: 1818 bp

Locus ID: 54908

UniProt ID: [Q96EA4](#)

Cytogenetics: 5q35.1

Gene Summary: This gene encodes a coiled-coil domain-containing protein that functions in mitotic spindle formation and chromosome segregation. The encoded protein plays a role in coordinating microtubule attachment by promoting recruitment of dynein proteins, and in mitotic checkpoint signaling. [provided by RefSeq, Jul 2016]
Transcript Variant: Variants 3 and 4 encode the same isoform (b).