

Product datasheet for **SC120766**

CCDC52 (SPICE1) (NM_144718) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC52 (SPICE1) (NM_144718) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC52
Synonyms:	CCDC52; SPICE
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 SC120766 sequence for NM_144718 edited (data generated by NextGen Sequencing)

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ATGTCATTTGTCAGAGTGAACCGCTGTGGTCCCCGAGTTGGTGTAAAGAAAGACACCGAAA
GTAAAGAAGAAGAAAACCTTCAGTGAAACAAGAATGGGATAATACCGTGACTGATCTAACC
GTTTCATCGGGCAACTCCTGAAGATCTGGTACGCCGTCATGAAATACACAAATCGAAGAAT
AGAGCATTAGTACACTGGGAACCTCAAGAAAAAGCTTTGAAGAGAAAAATGGAGGAAGCAG
AAACCAGAAAACCTTTAAATCTTGAGAAAAAGAGATTGTCTATCATGAAGGAGATTCTTTCT
GATCAATACCAGATGCAAGATGTGTTGGAGAAATCTGATCATCTAATAGCTGCAGCAAAA
GAGCTGTTTCCTCGTAGGCGCACAGGGTTTCCAAATGTACAGTGGCTCCTGATTCTCTCT
CAGGGTCCCATTGTGGTAAATCAAGACCCTATCACCCTATCTATCTTTAATGAGTCTGTC
ATAGAACCTCAGGCTCTTAATGATGTAGATGGTGAAGAAGAAGGAAGTGTAAATAGCCAG
TCAGGAGAAAAGTGAAGTGAAGTGAAGTGGATAACTCTCTAACTCTCAGTCTAACACG
AATACAGACAGGTTTCTCCAACAATAACAGAAGAGAATTTTGAAGTAAATAGTAAGTTG
TGGACTGACATTGACAGAAAAATAGCAACCCAGTCACAAATAACTCTCCAGGAACGCCA
TCATCTGCTCTTTTCATCAGGGGAGCAAGAGCTGCTCTGAATGCTACCAATGCTGTCAAG
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CGGTACCTTAAAGAGAGTGAGATCCAGCTACGTAAGAAGTAGAGACAAGGCAACAACCTG
GAACAAGTATTAGGTGATCATCGAGAGCTCATTGATGCTCTGACAGCTGAAATTTCTTCTG
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CAGAAGAGCAACTTAAATTTCTCTCTCTCTCAGGACGTATTGAGAAGGACTGTTCAAACCT
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GCTATCAAGGCACATATGAATAATATTATTGAGCCAGAGGAGAGCAAGGGGATGGACTC
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CCACCAATGTCACCTGTTTCAGTTACCTCTCAGAGCATGGACTGAAGGAGCAAGAGGACA
ATTGAGGTATCTATTCCAGGAGCAGAAGCCCCAGAAAGCTCAAAATGTAGTACTGTCTCT
CCCGTCAGCGGGATAAATACAAGAAGATCTTCCGGGGCTACTGGTAATTCTTGTCTCCA
CTAAATGCCACCTCAGGAAGTGGGAGATTCACACCTCTTAATCCAAGAGCAAGATTGAG
AAACAGAATGAAGAAGGCTGGTTTGCTCTTTCTACCCATGTATCATAA

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Clone variation with respect to NM_144718.3
 138 c=>t;1287 g=>k;1518 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144718 unedited
 TTCAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTTGCACA
 GAGCTGATGTCATTTGTGAGAGTGAACCGCTGTGGTCCCCGAGTTGGTGTAAAGAAAGACA
 CCGAAAGTAAAGAAGAAGAAACTTCAGTGAAACAAGAATGGGATAATACCGTGACTGAT
 CTAACCGTTTCATCGGGCAACTCCTGAAGATCTGGTACGCCGTATGAAATACACAAATCG
 AAGAATAGAGCATTAGTACACTGGGAACCTCAAGAAAAAGCTTTGAAGAGAAAAATGGAGG
 AAGCAGAAACCGAAACTTTAAATCTTGAGAAAAGAAGATTGTCTATCATGAAGGAGATT
 CTTTCTGATCAATACCAGATGCAAGATGTGTTGGAGAAATCTGATCATCTAATAGCTGCA
 GCAAAAGAGCTGTTTCCTCGTAGCGCACAGGGTTTCCAAATGTAACAGTGGCTCCTGAT
 TCCTCTCAGGGTCCCATTGTGGTAAATCAAGACCTATCACCAATCTATCTTTAATGAG
 TCTGTCATAGAACCTCAGGCTCTTAATGATGTAGATGGTGAAGAAGAAGGAAGTGAAT
 AGCCAGTCAGGAGAAAGTGAATGAGAATGAGTTGGATAACTCTCTAACTCTCAGTCT
 AACACGAATACAGACAGGTTTCTCCAACAATAACAGAAGAGAATNNTGAGTTAATTAGT
 AAGTTGTGGACTGACATTCAGCAGAAAAATAGCAACCCAGTCACAAATAACTNCTNCAGGA
 ACGCCATCATCTGCTCTTTCATCAGGNGAGCAAAGAGCTGCTCTGAATGCTACCAATGCT
 GTCAAGAGACTNCAACNCAGCTTCAGNCTGAAGAATCTACTGAGACTCTAGACTCAAGC
 TACNGTGTGGGACACGTGCTNGACTCAGGNAGCANAACAGCTGNTAANTNAAGTGAAGG
 AANNCCGATTGCATGCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_144718 unedited
 ATATGTACGGGCCGCTTTCTAGATCGAGTTTTTTTTTTTTTTTTTTTTTTTAAAGGCTGT
 ATATTTCACTTGATGAAAAATGATGAACAGCAATGACTTCCCAAGAAAAAGAAAGAAA
 AGTGGGTGTTACATATTCTGAAAGCCAGACTCTAATCACACAGAGGAATTTTATTGTAA
 GTTACATGCAAAGCAAATTAGTTCTTCAGGAAAAATAAATAAATGATCAACTAAGA
 TATACTAAACCTCAAAAAACCTGAATAAAGATAAAGGTAAAAATGTATTAATAAAAAAA
 ACCCTTAAATACTTAAGAAAGTATTAATAACAAACTTTAACTTCTCTACAGTCAAG
 TTTCAATCACAGGGAGCTGTAGGTCAAGTTGGTTGTTGAAAACCTATTTGAGAAAGTCAAA
 AAATAATTGCTTTATTTCTCTGTTTCATTAGTACTAATTCACAGGATCTTTGTAGGTTTT
 ATCTGAAAGAAGGATATAAAAACTTAAAGTCAGAGCAGGGAAGGGGAGTAATAAATTA
 TTAAGAACAACCTCAGTGAGACTTGACTTCACTTATGATACATGGGTAGAAAGAGCAAAAC
 CAGCCTTCTTCATTCTGTTTCTCAATCTTTGCTCTTGGATTAAGAGGTGTGAATCTCCCA
 CTTCTNGAGTGGCATTAGTGGAGAACAAGAATTACAGTAGCCCCGGAAGATCTTCTT
 GTATTTATCCCGCTGACCGGAGAGACAGTACTACATTTTGAGCTTTCTGGGGCCTCTGCT
 CCTGGATAGATACCTAATTGTNCTCTTTGCTCCTTCAGTCATGCTCTGAGAGGAAGTGA
 CAGTGACATGGTGGAAAAAGATTCAACAACAGTTTGTGCTCTATCACTGCGTAGGTTTC
 CCGAGCCTCCTACTTGCGGATTCATCTGCAAACGTCCTCCTACTCCTGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_144718

Insert Size:

3500 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_144718.2 , NP_653319.1
RefSeq Size:	5445 bp
RefSeq ORF:	2568 bp
Locus ID:	152185
UniProt ID:	Q8N0Z3
Cytogenetics:	3q13.2
Gene Summary:	Regulator required for centriole duplication, for proper bipolar spindle formation and chromosome congression in mitosis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the shorter isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.