

Product datasheet for **SC126987**

DSCC1 (NM_024094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DSCC1 (NM_024094) Human Untagged Clone
Tag:	Tag Free
Symbol:	DSCC1
Synonyms:	DCC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024094, the custom clone sequence may differ by one or more nucleotides

ATGAAGAGGACCCGCGACGAGGTGGATGCGACGCTGCAGATCGCCAAGCTGAATGCGGCCGAGCTGCTGC
 CGGCGGTGCACTGCCTGGGCTTCGGCCCTGGGGCCAGCGCGCTGCAGCCGGCGACTTCTGCCTGCTGGA
 GCTGGAGCCCACGCTGTGCCAGCAGCTGGAGGATGGACACAGTCTTGTGATTCGTGGTGATAAAGACGAG
 CAAGCTGTGCTGTGCAGTAAAGACAAAACATACGACTTGAAGATAGCAGACACTTCCAATATGTTGCTTT
 TCATTCTGGTTGTAAACTCCGACCAGTTGAAGAAGGAAGATTCACACTGTAACTATTTCACACTGA
 GATCTTTGGTTTTCTAATAATTATTGGGAATTAAGAAGACGTAGACCCAAGTTAAAGAAGCTAAAGAAA
 CTTTTGATGGAAATCCATATGAAGGACCTGACAGTCAAAAAGAGAAGGATTCAAATAGCTCAAAATATA
 CAACTGAAGATTTGCTTGATCAAATTCAGGCAAGTGAGGAAGAAATAATGACCCAATTACAAGTTCTAAA
 TGCCTGTAAGATTGGAGTTATTGGAGGATTCTTGAATTTGATTATGAGATGAACTTCTGAATCATGTA
 ACTCAGCTTGTGGATTCTGAATCATGGTCTTTGGTAAAGTTCCTTTGAACACATGCCTTCAGGAAGTTCG
 GACCATTTGGAGCCAGAGGAAATGATAGAACACTGTCTTAATGTTATGGGAAGAAATATGTAGATGAAGG
 CGAAGTTTATTTGAGTTGGATGCTGATAAAATATGTAGAGCAGCAGCAGCAATGCTACTTCAGAATGCG
 GTGAAATTCATCTCGCTGAGTTTCAAGAAGTGTGGCAGCAGAGTGTCTGAAGGAATGGTAACTAGTC
 TTGATCAGCTTAAGGGTTTAGCGCTGGTGGATAGACACTCGAGACCAGAAATCATATTTTGTGAAAGT
 AGATGATTTACCTGAGGATAATCAGGAACGTTTTAATAGCCTTTCTCTAAGGGAGAAGTGGACAGAA
 GAAGATATTGCTCCATATATTCAAGATTTGTGTGGAGAGAAGCAAACCATAGGTGCATTACTCACTAAAT
 ATTCTCATTCTCGATGCAAAATGGTGTTAAAGTTTATAATTGAGAAGACCCATTTCTTAA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024094 unedited
 ATTCATATAGGGCGCCGCGAATTCGGCACGAGGGCCGCTTGGCGCGCTTTCAAACGC
 TCAGGTTTCTACCTTCCGGCTGCTTGGGAATCTTTCTTGGCCGCAAGCCCGCAGCC
 ACCCGGGCGCGCGGGACTCCTAGACCCGGCGCTGCGATGAAGAGGACCCGCGACGAGGT
 GGATGCGACGCTGCAGATCGCCAAGCTGAATGCGGCCGAGCTGCTGCCGGCGGTGCACTG
 CCTGGGCTTCCGCCCTGGGGCCAGCGCGCTGCAGCCGGCGACTTCTGCCTGCTGGAGCT
 GGAGCCCACGCTGTGCCAGCAGCTGGAGGATGGACACAGTCTTGTGATTCTGTTGGTGATAA
 AGACGAGCAAGCTGTGCTGTGCAGTAAAGACAAAACATACGACTTGAAGATAGCAGACAC
 TTCCAATATGTTGCTTTTTCATTCTGTTGTAAAACTCCGGACCAGTTGAAGAAGGAAGA
 TTCACACTGTAACTATTACACTGAGTATACAACTGAAGATTGCTTGATCAAATTCA
 GGCAAGTGAGGAAGAAATAATGACCAATTACCAGTTCTAAATGCCTGTAAGATTGGAGG
 CTATTGGAGGATTCTGAATTGATATGAGATGAACTCTGATCATGTACTCAGCTGTGGA
 TCTGAATCATGGCTTTGGAAAGTCTTTGACACTGCCTTAGAACTCGACATTGGACCCGA
 GGATGATAAACCTGCTTAATGTATGGAAGAACTTGAATGAAGCAAGTTATTTGAGTGAT
 GCGATAAATTGTCAGCACACCCATGCTCTCAAATGCGGGAATAATTCCCTGATTACAGG
 GGCCCAAAGGTCTGAGAAGAACTATCTGACAATAGGTTACCTGTGGTAGCCTTAAACAAA
 CATTTTTGGAAGGAGATCCTGGGAACGGAGTTATACTTCTTAGCGAGGCCAAAATTTCT
 TATCAATTGGGAAACCTGGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024094 unedited
 CGTGTTAGTCTCTTCATGTTCTGACAATAAACTTGTAACCTTCAGTAACAGTTAAACCT
 TCTTTAATTATGGATTAGCCATTAACATTTTTGAAACGTGGACCATTAACTCGGCCTA
 CCCCTCCAAGTGTCTGGTGATGAGTTCATTAGCTAAGTTAAATTAATTTGAACCTTTG
 ATCTAAACCAAAACAAATCATGAAAATAAGCTGTAAAGGAACCTTATCAAGCATTCCAA
 AACCAACTAGAAATTAAGTGTTCGAGTGAGCATTGCCTGTGCCAGTATTCTTCAT
 TATAGGATTATAAACTCGTTTTTTTCCAAAGCGCATGTCTACCTCAGGCAGAGGAGTAA
 TTATTCAGCCAATTTTCATGGATGTAAACGATGGATATAAATAATTGATAGCACCTAGAGG
 CTTCCAGTTTGGGTGGAAGGCTAAAAGTAGAGGGGAACCTCACTCACTTGAGAAATGATAT
 TTAAGTGAATAAATAGTCTCTTCTATGAACTATTACTATTTAGTCTCTGGAAACCTT
 AAGTGTATTAATGATTAGAACATCAAATCCTAAGTAAAGATATGACATTTTAAATATAAA
 AAGCCAACTTTAAATAAATCATAGAGACCTCAGACATAATATAGGAAAGAATTCTTTTG
 TCCTTGTTTACACTGTGTACATAGTACAAATATAATTCTAAAGCTACATCCTATAACATT
 TAAGAAATTACAGTACTTTCAAATGCTTAAGATGAGGAGAAAAATGCCTTAGAGACTAC
 GTTCCTAAAGGCAGAAATAAAGTACAAGTTATTTTTCTTGTTCCAGCACTTTATTAACC
 ACTGGAAGTCTGAAGAAAGACCGCTCCTTTAAGAAATGGGCCTCTCGATTTAACTTT
 ACACCTTTTGCTCAATACCAGAAATTTAGGGTAATGCCCTTTGTTGCTTCTCTCCAC
 AATTTTGATATTGAACAATATCTTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_024094

Insert Size:

2180 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_024094.1](#), [NP_076999.1](#)

RefSeq Size: 2232 bp

RefSeq ORF: 1182 bp

Locus ID: 79075

UniProt ID: [Q9BVC3](#)

Cytogenetics: 8q24.12

Gene Summary: CHTF18 (MIM 613201), CHTF8 (MIM 613202), and DSCC1 are components of an alternative replication factor C (RFC) (see MIM 600404) complex that loads PCNA (MIM 176740) onto DNA during S phase of the cell cycle (Merkle et al., 2003 [PubMed 12766176]; Bermudez et al., 2003 [PubMed 12930902]).[supplied by OMIM, Dec 2009]