

## Product datasheet for **SC333683**

### Dermcidin (DCD) (NM\_001300854) Human Untagged Clone

#### Product data:

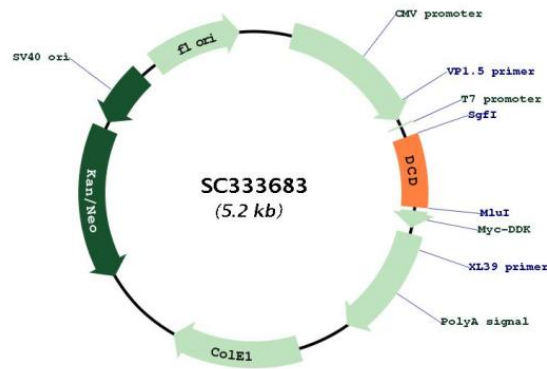
Product Type:	Expression Plasmids
Product Name:	Dermcidin (DCD) (NM_001300854) Human Untagged Clone
Tag:	Tag Free
Symbol:	DCD
Synonyms:	AIDD; DCD-1; DSEP; HCAP; PIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333683 representing NM_001300854. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGTTTCATGACTCTCCTCTTCTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCTATGATCCAGAG
GCCGCCTCTGCCCCAGGATCGGGGAACCCTTGCCATGAAGCATCAGCAGCTCAAAGGAAAATGCAGGT
GAAGACCCAGGGTTAGCCAGACAGGCACCAAAGCCAAGGAAGCAGAGATCCAGCCTTCTGGAAAAAGGC
CTAGACGGAGCAAAAAAGCTGTGGGGGACTCGGAAAAGTGGAAAAGATGCAGTGAAGATCTAGAA
AGCGTGGGTAAAGGTGGGAAGAGAGGTTGGTCTTGGGGCTCCTGTGAATCTAACCTCCATCCCTCTG
ACTTCTGTGAGCCGTCCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001300854

**Insert Size:** 366 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\\_001300854.1](#)

RefSeq Size: 709 bp

RefSeq ORF: 366 bp

Locus ID: 117159

UniProt ID: [P81605](#)

Cytogenetics: 12q13.2

Protein Families: Secreted Protein

MW: 12.4 kDa

**Gene Summary:** This antimicrobial gene encodes a secreted protein that is subsequently processed into mature peptides of distinct biological activities. The C-terminal peptide is constitutively expressed in sweat and has antibacterial and antifungal activities. The N-terminal peptide, also known as diffusible survival evasion peptide, promotes neural cell survival under conditions of severe oxidative stress. A glycosylated form of the N-terminal peptide may be associated with cachexia (muscle wasting) in cancer patients. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]  
Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2). 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.