

## Product datasheet for **RG209352**

### Dermcidin (DCD) (NM\_053283) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dermcidin (DCD) (NM\_053283) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Dermcidin  
**Synonyms:** AIDD; DCD-1; DSEP; HCAP; PIF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG209352 representing NM\_053283  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGTTTCATGACTCTCCTCTTCTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCTATGATCCAGAGG  
CCGCCTCTGCCCCAGGATCGGGGAACCCCTGCCATGAAGCATCAGCAGCTCAAAGGAAATGCAGGTGA  
AGACCCAGGGTTAGCCAGACAGGCACCAAAGCCAAGGAAGCAGAGATCCAGCCTTCTGGAAAAAGGCCTA  
GACGGAGCAAAAAAGCTGTGGGGGACTCGGAAAAGTAGGAAAAGATGCAGTCGAAGATCTAGAAAAGC  
TGGGTAAGGAGCCGTCATGACGTTAAAGACGTCCTTGACTCAGTACTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209352 representing NM\_053283  
Red=Cloning site Green=Tags(s)  
MRFMTLLFLTLALAGALVCAYDPEAASAPGSGNPCHESAAQKENAGEDPGLARQAPKPRKQRSSLLEKGL  
DGAKKAVGGLGKLGKDAVEDLESVGKGAVHDVKDVLDSVL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_053283

**ORF Size:** 330 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

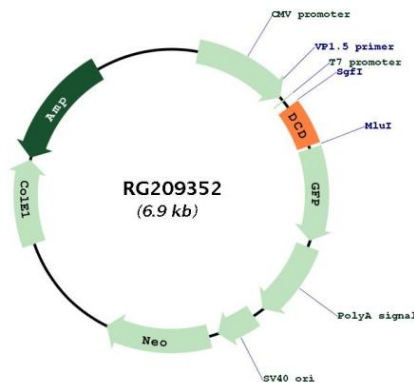
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_053283.4](#)

RefSeq Size: 458 bp  
 RefSeq ORF: 333 bp  
 Locus ID: 117159  
 UniProt ID: [P81605](#)  
 Cytogenetics: 12q13.2  
 Protein Families: Secreted Protein  
 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]

### Product images:



Circular map for RG209352