

Product datasheet for **SC125779**

Dermcidin (DCD) (NM_053283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dermcidin (DCD) (NM_053283) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dermcidin
Synonyms:	AIDD; DCD-1; DSEP; HCAP; PIF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_053283 edited GGGACCCTAGATCCCAAGATCTCCAAGGATTCGGTGGCATACCCACTCCAGCACACAGAA GCATGAGGTTTCATGACTCTCCTTCTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCT ATGATCCAGAGGCCGCTCTGCCCCAGGATCGGGGAACCTTGCCATGAAGCATCAGCAG CTCAAAAGGAAAATGCAGGTGAAGACCCAGGGTTAGCCAGACAGGCACCAAGCCAAGGA AGCAGAGATCCAGCCTTCTGAAAAAGGCCTAGACGGAGCAAAAAAGCTGTGGGGGGAC TCGAAAACTAGGAAAAGATGCAGTCGAAGATCTAGAAAGCGTGGGTAAAGGAGCCGTCC ATGACGTTAAAGACGTCCTTGACTCAGTACTATAGCTGTAAGGAGAAGCTGAGAAATGAT ACCCAGGAGCAGCAGGCTTTACGTCTTCAGCCTAAAACCTAAAAAAAAAAAAAAAAAAAA AATTTAAAACAGCTATTAAGTAAAGCATCTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_053283 unedited GGTCAGGATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCCATTACGGGCCGGG GACCCTANATCCCAANATCTCCAGGGTTCGGTGGCGTACCCACTCCAGCACACAGAAGCA TGAGGTTTCATGACTCTCCTCTTCTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCTATG ATCCAGAGGCCGCTCTGCCCCAGGATCGGGGAACCCCTGCCATGAAGCATCAGCAGCTC AAAAGGAAAATGCAGGTGAAGACCCAGGGTTAGCCAGACAGGCACCAAAGCCAAGGAAGC AGAGATCCAGCCTTCTGGAAAAAGGCCTAGACGGAGCAAAAAAGCTGTGGGGGGACTCG GAAAACTAGGAAAAGATGCAGTCGAAGATCTAGAAAGCGTGGGTAAGGAGCCGTCATG ACGTTAAAGACGTCCTTGACTCAGTACTATAGCTGTAAGGAGAAGCTGAGAAATGATACC CAGGAGCAGCAGGCTTTACGCTTTCAGCCTAAAAACCTAAAAAAAAAAAAAAAAAAAAAAT TTAAAACAGCTATTAAGTGAAGCATCTGGAAAAAAAAAAAAANAAAAAAAAAAAAAAAA ACATGGTCGGCCGCTCGGCCCTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTTTCT GAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCCTGGGCCTGGAAG GTGCCACTCCGTGCCACCAGCCTTGGCCTATAAAATTAAGTTGCATCATTTTGTCTGAC TAGGTGTCCTTCTAAATATTATGGGGTGAGGGGGTNGGGTTTGAACCAGGGCAATTTT GAAAAACACCCGAGGGCTGCGGGGGCTATTGGAACAAGTGGAGTGGGGGGCCATCT TGGCTATGGGATCTCCCTCTGGGGTCAACCATT
Restriction Sites:	Please inquire
ACCN:	NM_053283
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:	<ol style="list-style-type: none"> 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:	<u>NM_053283.1</u> , <u>NP_444513.1</u>
RefSeq Size:	458 bp
RefSeq ORF:	333 bp
Locus ID:	117159
UniProt ID:	<u>P81605</u>
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]

Transcript Variant: This variant (1) lacks an alternate exon in the 3' coding region, resulting in a frameshift compared to variant 2. The encoded isoform (1) has a distinct C-terminus, and is shorter, compared to 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.