

Product datasheet for **RC235789**

Dermcidin (DCD) (NM_001300854) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dermcidin (DCD) (NM_001300854) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DCD
Synonyms: AIDD; DCD-1; DSEP; HCAP; PIF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235789 representing NM_001300854
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGTTTCATGACTCTCCTCTTCTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCTATGATCCAGAGG
CCGCCTCTGCCCCAGGATCGGGGAACCTTGCCATGAAGCATCAGCAGCTCAAAAGGAAAATGCAGGTGA
AGACCCAGGGTTAGCCAGACAGGCACCAAGCCAAGGAAGCAGAGATCCAGCCTTCTGGAAAAGGCCTA
GACGGAGCAAAAAAGCTGTGGGGGACTCGGAAAAGTAGGAAAAGATGCAGTCGAAGATCTAGAAAAGCG
TGGGTAAGGTGGGAAGAGAGGTTGGTCTTTGGGCTCCTGTGAATCTAACCTCCATCCCTCTGACTTC
TGTGAGCCGTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235789 representing NM_001300854
Red=Cloning site Green=Tags(s)
MRFMTLLFLTALAGALVCAYPDPEAASAPGSGNPNCEASAAQKENAGEDPGLARQAPKPRKQRSSLLEKGL
DGAKKAVGGLGKLGKDAVEDLESVKGGEERLVFGAPVNLTSIPLTSVSRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<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:	NM_001300854.2
RefSeq Size:	709 bp
RefSeq ORF:	366 bp
Locus ID:	117159
UniProt ID:	P81605
Cytogenetics:	12q13.2
Protein Families:	Secreted Protein
MW:	12.9 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]