

Product datasheet for **RG235789**

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: 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: >RG235789 representing NM_001300854.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGTTCATGACTCTCCTCTTCTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCTATGATCCAGAG
GCCGCCTCTGCCAGGATCGGGGAACCCTTGCCATGAAGCATCAGCAGCTCAAAGGAAAATGCAGGT
GAAGACCCAGGGTAGCCAGACAGGCACCAAAGCAAGGAAGCAGAGATCCAGCCTTCTGGAAAAAGGC
CTAGACGGAGCAAAAAAGCTGTGGGGGACTCGGAAACTAGGAAAAGATGCAGTGAAGATCTAGAA
AGCGTGGGTAAAGGTGGGAAGAGAGTTGGTCTTTGGGGCTCCTGTGAATCTAACCTCCATCCCTCTG
ACTTCTGTGAGCCGTCCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235789
Blue=ORF Red=Cloning site Green=Tag(s)

```
MRFMTLLFLTALAGALVCAYDPEAASAPGSGNPCHEASAAQKENAGEDPGLARQAPKPRKQRSSLLEKG
LDGAKKAVGGLGKLGKDAVEDLESVKGGEERLVFGAPVNLTSIPLTSVSRP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

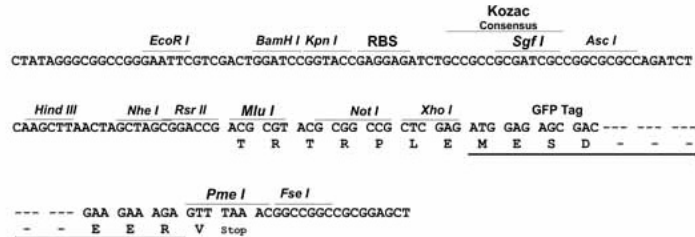
Restriction Sites: SgfI-MluI



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Cloning Scheme:

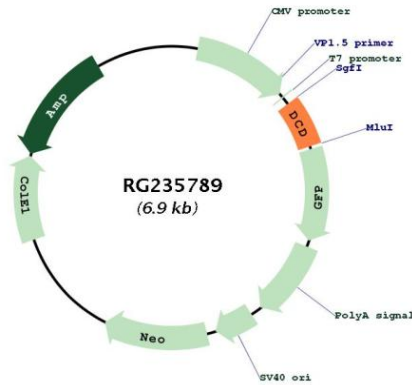
Cloning sites used for ORF Shutting:



ACCN:	NM_001300854
ORF Size:	363 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).
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]

Product images:


Circular map for RG235789