

## Product datasheet for **RG235443**

### DEFB134 (NM\_001302695) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DEFB134 (NM\_001302695) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DEFB134  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235443 representing NM\_001302695.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCCTCTCCTTGTGTGTTGTCTTTCTTTTCTTTGGGATCCAGTGCTGGCAGGTATAAATTCA
TTATCATCAGAAATGCACAAGAAATGCTATAAAAATGGCATCTGCAGACTTGAATGCTATGAGAGTGAA
ATGTTAGTTGCCTACTGTATGTTTCAGCTGGAGTGCTGTGTCAAAGGAAATCCTGCACCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235443  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MKPLL VVVFVFLWDPVLAGINSLSSEMHHKCYKNGICRLECYESEMLVAYCMFQLECCVKGNPAP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001302695

**ORF Size:** 198 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\\_001302695.1](#), [NP\\_001289624.1](#)

**RefSeq Size:** 1096 bp

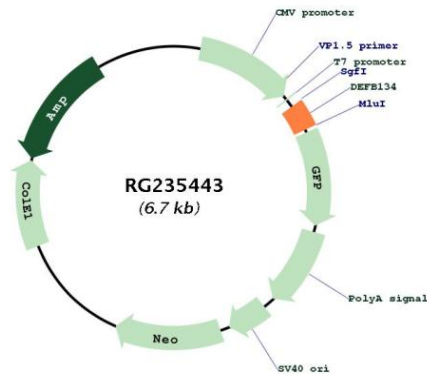
**RefSeq ORF:** 201 bp

**Locus ID:** 613211

**UniProt ID:** [Q4QY38](#)

<b>Cytogenetics:</b>	8p23.1
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>MW:</b>	7.6 kDa
<b>Gene Summary:</b>	Defensins are cysteine-rich cationic polypeptides that are important in the immunologic response to invading microorganisms. The antimicrobial protein encoded by this gene is secreted and is a member of the beta defensin protein family. Beta defensin genes are found in several clusters throughout the genome, with this gene mapping to a cluster at 8p23. [provided by RefSeq, Nov 2014]

**Product images:**



Circular map for RG235443