

## **Product datasheet for RG218553**

# DEFB116 (NM 001037731) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** DEFB116 (NM 001037731) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: DEFB116

Synonyms: DEFB-16

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG218553 representing NM\_001037731 Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCAGTCATGAAGCCCTGTTTAATGACCATTGCCATCCTTATGATCCTGGCTCAAAAGACTCCAGGTGGCCTGTTCAGATCCCACAATGGCAAGAGCCGAGAGCCTTGGAATCCATGTGAGCTTTACCAAGGCATGTGCAGAAACGCCTGCAGAGAATATGAAATCCAATACTTAACCTGCCCAAATGATCAAAAGTGCTGCCTGAAACTTCTGTGAAAATAACCAGTTCTAAAAATGTGAAGGAGGATTACGACTCTAACTCCAACTTGTCAGTTA

CAAACAGTTCAAGCTACTCTCACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218553 representing NM\_001037731

Red=Cloning site Green=Tags(s)

MSVMKPCLMTIAILMILAQKTPGGLFRSHNGKSREPWNPCELYQGMCRNACREYEIQYLTCPNDQKCCLK

LSVKITSSKNVKEDYDSNSNLSVTNSSSYSHI

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



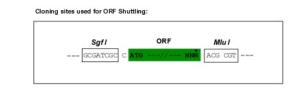
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

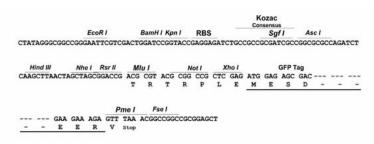
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

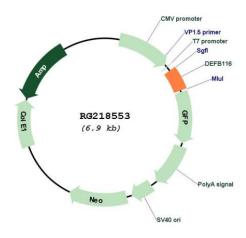


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_001037731

ORF Size: 306 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



### DEFB116 (NM\_001037731) Human Tagged ORF Clone - RG218553

**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.

RefSeq: <u>NM 001037731.1</u>, <u>NP 001032820.1</u>

 RefSeq Size:
 309 bp

 RefSeq ORF:
 309 bp

 Locus ID:
 245930

 UniProt ID:
 Q30KQ4

 Cytogenetics:
 20q11.21

**Protein Families:** Secreted Protein

**Gene Summary:** Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils.

Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. [provided by RefSeq, Oct

2014]

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