

Product datasheet for RG231596

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

DEFB119 (NM_001271209) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DEFB119 (NM_001271209) Human Tagged ORF Clone

Tag: TurboGFP Symbol: DEFB119

Synonyms: DEFB-19; DEFB-20; DEFB20; DEFB120; ESC42-RELA; ESC42-RELB

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >RG231596 representing NM_001271209
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAACTTCTTTACCTGTTTCTTGCCATCCTTCTGGCCATAGAAGAACCAGTGATATCAGAGTGTTGGA TGGATGGACACTGCCGGTTGTTGTGCAAAGATGGTGAAGACAGCATCATACGCTGCCGAAATCGTAAACG GTGCTGTGTTCCTAGTCGTTATTTAACAATCCAACCAGTAACAATTCATGGAATCCTTGGCTGGACCACT

CCTCAGATGTCCACAACAGCTCCAAAAATGAAGACAAATATAACTAATAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231596 representing NM_001271209

Red=Cloning site Green=Tags(s)

MKLLYLFLAILLAIEEPVISECWMDGHCRLLCKDGEDSIIRCRNRKRCCVPSRYLTIQPVTIHGILGWTT

PQMSTTAPKMKTNITNR

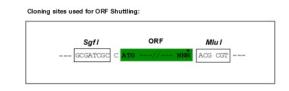
TRTRPLE - GFP Tag - V

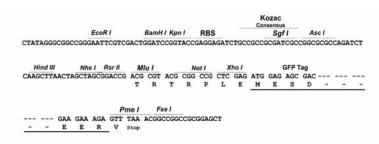
Restriction Sites: Sgfl-Mlul



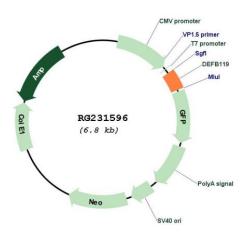


Cloning Scheme:





Plasmid Map:



ACCN: NM_001271209

ORF Size: 261 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



DEFB119 (NM_001271209) Human Tagged ORF Clone - RG231596

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: NM 001271209.2

 RefSeq Size:
 510 bp

 RefSeq ORF:
 264 bp

 Locus ID:
 245932

 UniProt ID:
 Q8N690

 Cytogenetics:
 20q11.21

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the beta subfamily of defensins. Beta-defensins are

antimicrobial peptides that protect tissues and organs from infection by a variety of

microorganisms. This gene is found in a cluster with other beta-defensin genes on the long arm of chromosome 20. Multiple transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Nov 2014]