

Product datasheet for **RG231596**

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTTCTTTACCTGTTTCTTGCCATCCTTCTGGCCATAGAAGAACCAGTGATATCAGAGTGTGGA
TGGATGGACACTGCCGTTGTTGTGCAAAGATGGTGAAGACAGCATCATACGCTGCCAAATCGTAAACG
GTGCTGTGTTCTAGTCGTTATTTAACAATCCAACAGTAACAATTCATGGAATCCTTGGCTGGACCACT
CCTCAGATGTCCACAACAGCTCCAAAAATGAAGACAAATATAACTAATAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231596 representing NM_001271209
Red=Cloning site Green=Tags(s)
MKLLYLFLAILLAIEEPVISECWMDGHCRLCLKDGEDSIIRCNRKRCCVPSRYLTIQPVTIHGILGWTT
PQMSTTAPKMKTNITNR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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:	<u>NM_001271209.2</u>
RefSeq Size:	510 bp
RefSeq ORF:	264 bp
Locus ID:	245932
UniProt ID:	<u>Q8N690</u>
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]