

Product datasheet for **SC301611**

DEFB121 (NM_001011878) Human Untagged Clone

Product data:

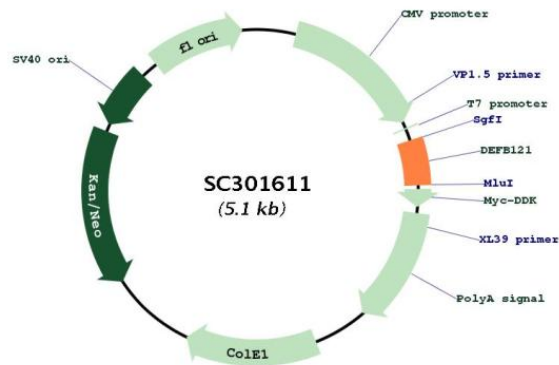
Product Type:	Expression Plasmids
Product Name:	DEFB121 (NM_001011878) Human Untagged Clone
Tag:	Tag Free
Symbol:	DEFB121
Synonyms:	DEFB21; ESC42RELC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301611 representing NM_001011878. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCTCCTTCTTCTGCTTTTACTGTTACTCTGCTCCTGGCCAGGTCACCCAGTCATGAAATGT
TGGGGCAAGTCAGGCAGGTGCAGAACACATGTAAGAAAGTGAAGTATACTATATATTATGCAAAACT
GAGGCTAAGTGTGTGGATCCCAAGTATGTACCTGTAAACCAAAATTAACAGACACAAATACAAGC
CTGGAATCAACTTCTGCAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001011878

Insert Size: 231 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001011878.2](#)

RefSeq Size: 418 bp

RefSeq ORF: 231 bp

Locus ID: 245934

UniProt ID: [Q5J5C9](#)

Cytogenetics: 20q11.21

Protein Families: Secreted Protein

MW: 8.5 kDa

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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014]
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).