

Product datasheet for **SC310737**

DEFB131A (NM_001040448) Human Untagged Clone

Product data:

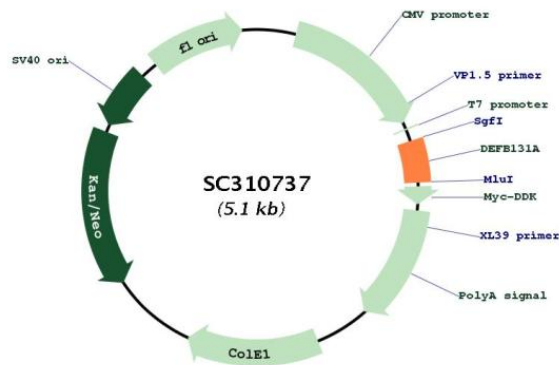
Product Type: Expression Plasmids
Product Name: DEFB131A (NM_001040448) Human Untagged Clone
Tag: Tag Free
Symbol: DEFB131A
Synonyms: DEFB-31; DEFB131
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC310737 representing NM_001040448.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGGTCTTGTTTTTGTCTTTGGAGTCCTTCCTTGATGTTACAGTTCCTCCAGCCAGAAGCTTC
ATTTCTAATGATGAATGTCCTTCAGAATATTATCATTGCAGACTGAAGTGCAATGCTGATGAACATGCA
ATTAGATACTGTGCTGACTTCAGCATCTGCTGCAAACGAAGATCATTGAAATTGACGGACAAAAGAAG
TGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001040448

Insert Size: 213 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_001040448.2](#)

RefSeq Size: 213 bp

RefSeq ORF: 213 bp

Locus ID: 644414

UniProt ID: [P59861](#)

Cytogenetics: 4p16.1

Protein Families: Secreted Protein

MW: 8.2 kDa

Gene Summary: 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 4p16. [provided by RefSeq, Nov 2014]