

Product datasheet for RC214551L3

OriGene Technologies, Inc.

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DEFB126 (NM_030931) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DEFB126 (NM_030931) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: DEFB126

Synonyms: bA530N10.1; C20orf8; DEFB-26; DEFB26; hBD-26; HBD26

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC214551).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_030931

ORF Size: 333 bp





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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

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 030931.2</u>

RefSeq Size: 413 bp
RefSeq ORF: 336 bp
Locus ID: 81623
UniProt ID: Q9BYW3
Cytogenetics: 20p13

Protein Families: Protease, Secreted Protein, Transmembrane

MW: 10 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 20p13. The encoded protein is highly similar to an epididymal-specific secretory protein (ESP13.2) from cynomolgus monkey. Mutation of this gene is associated with impaired sperm function.

[provided by RefSeq, Nov 2014]