

## Product datasheet for SC123986

### DEFB126 (NM\_030931) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DEFB126 (NM_030931) Human Untagged Clone
Tag:	Tag Free
Symbol:	DEFB126
Synonyms:	bA530N10.1; C20orf8; DEFB-26; DEFB26; hBD-26; HBD26
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC123986 sequence for NM_030931 edited (data generated by NextGen Sequencing)

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ATGAAGTCCCTACTGTTACCCCTTGCAGTTTTATGCTCCTGGCCCAATTGGTCTCAGGT
AATTGGTATGTGAAAAAGTGTCTAAACGACGTTGGAATTTGCAAGAAGAAGTGCAAAACCT
GAAGAGATGCATGTAAAGAATGGTTGGGCAATGTGCGGCAACAAAGGGACTGCTGTGTT
CCAGCTGACAGACGTGCTAATTATCCTGTTTTCTGTGTCCAGACAAAGACTACAAGAATT
TCAACAGTAACAGCAACAACAGCAACAACAACCTTTGATGATGACTACTGCTTCGATGTCT
TCGATGGCTCCTACCCCGTTTTCTCCACTGGTTGA
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Clone variation with respect to NM\_030931.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_030931 unedited AGGGGAAGGTNNNNNTTGAATACGACTCACTATAGGGCGGCCGCGAATT CNGACCAGAGAACCCACTGCCTCCTGATGAAGTCCCTACTGTTACCCCTTGCAGTTTTTA TGCTCCTGGCCCAATTGGTCTCAGGTAATTGGTATGTGAAAAAGTGTCTAAACGACGTTG GAATTTGCAAGAAGAAGTGCAAACTGAAGAGATGCATGTAAAGAATGGTTGGGCAATGT GCGGCAACAAAGGGACTGCTGTGTTCCAGCTGACAGACGTGCTAATTATCCTGTTTTCT GTGTCCAGACAAAGACTACAAGAATTTCAACAGTAACAGCAACAACAGCAACAACAACCTT TGATGATGACTACTGCTTCGATGTCTTCGATGGCTCCTACCCCGTTTTCTCCACTGGTT GAACATTCAGCCTCTGTCTCCTGCTCTAGGATCCCGACTCATTAAAGCAAAGAGGCTT AAAAAAAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTT TCCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCAGTGCCTCTCCTGGCCCTGA AGTTGCCACTCCAGTGCCACCAGCCCTGTCCTAATAAAAAATAAGTTGCATCATTTTGTG TGACTAGGTGCTTCTATAATATTATGGGTTTGAANNNNNGGTTGTGAGAGGCAAA TTGGAAGACCACCTGTAGGCCCTGCGGGTCTATTGGGACCAGCTGAGTGCATGCACAATC TTGCTCATG
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_030931 unedited AGGGAGGTTNNNNTTTTCTGGATGGCAACTTCCAGGCCAGGAGAGGCACTGGGGAGGGG TCAAGGGATGCCACCCGGGATCTGTTCAAGGAAACAGCTATGACCGCGGCCCAATCTAGA GTGAGTTTTTTTTTTTTTTTTTTTTTTTTAAGCCTCTTTGCTTTAATGAGTCGGGGATC CTAGAGCAGGAGACAGAGGCTGGAATGTTCAACCAGTGGGAGAAACGGGGTAGGAGCCA TCGAAGACATCGAAGCAGTAGTCATCATCAAAGTTGTTGTTGCTGTTGTTGCTGTTACTG TTGAAATTCTTGTAGTCTTTGTCTGGACACAGAAAACAGGATAATTAGCACGTCTGTGAG CTGGAACACAGCAGTCCCTTTGTTTGCCGCACATTGCCCAACCATTCTTTACATGCATCT CTTCAGGTTTGCACCTTCTTCTGCAAATTCACACGTCGTTTAGACACTTTTTTACATAACC AATTACCTGAGACCAATTGGGCCAGGAGCATAAAAACTGCAAGGGTGAACAGTAGGGACT TCATCAGGAGGCAGTGGTTCTCTGGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTA TTACAAAATTCTNACGGTTCACAAACGAGCTCTGCTTATATAGACCTCCCACCGTACAC GCCTACCGCCCATTTGGTAACGGGGCGGGTTATACGACATTTTNGAAGTCCGTTGATTT GTGCAAACANACTCCCATGCGTAATTGGGTGAACCTGAATCCCGTGAGTAACCGTTCACG CCATT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_030931
<b>Insert Size:</b>	400 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_030931.2</a></u> , <u><a href="#">NP_112193.1</a></u>
<b>RefSeq Size:</b>	413 bp
<b>RefSeq ORF:</b>	336 bp
<b>Locus ID:</b>	81623
<b>UniProt ID:</b>	<u><a href="#">Q9BYW3</a></u>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Protease, Secreted Protein, Transmembrane

**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]