

Product datasheet for **SC315911**

beta Defensin 3 (DEFB103A) (NM_001081551) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta Defensin 3 (DEFB103A) (NM_001081551) Human Untagged Clone
Tag:	Tag Free
Symbol:	beta Defensin 3
Synonyms:	BD-3; DEFB-3; DEFB3; DEFB103; HBD3; HBP-3; HBP3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001081551, the custom clone sequence may differ by one or more nucleotides ATGAGGATCCATTATCTTCTGTTTGCTTTGCTCTTCTGTTTTGGTGCCTGTTCCAGGT CATGGAGGAATCATAAACACATTACAGAAATATTATTGCAGAGTCAGAGCGCCGGTGT GCTGTGCTCAGCTGCCTTCCAAAGGAGGAACAGATCGGCAAGTCTCGACGCGTGGCCGA AAATGCTGCCGAAGAAAGAAA
Restriction Sites:	Please inquire
ACCN:	NM_001081551
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:	<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.



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RefSeq: [NM_001081551.2](#), [NP_001075020.1](#)

RefSeq Size: 437 bp

RefSeq ORF: 204 bp

Locus ID: 414325

UniProt ID: [P81534](#)

Cytogenetics: 8p23.1

Protein Families: Transmembrane

Gene Summary: Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 103, an antibiotic peptide which is induced by bacteria and interferon gamma, and which displays antimicrobial activity against *S. aureus*, *S. pyogenes*, *P. aeruginosa*, *E. coli*, and *C. albicans*. [provided by RefSeq, Oct 2014]