

Product datasheet for **SC303551**

BD2 (DEFB4A) (NM_004942) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BD2 (DEFB4A) (NM_004942) Human Untagged Clone
Tag:	Tag Free
Symbol:	BD2
Synonyms:	BD-2; DEFB-2; DEFB2; DEFB4; DEFB102; HBD-2; SAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_004942 edited TGGTGAAGCTCCCAGCCATCAGCCATGAGGGTCTTGATCTCCTCTTCTCGTTCCTCTTC ATATTCCTGATGCCTCTCCAGGTGTTTTGGTGGTATAGCGATCCTGTTACCTGCCTT AAGAGTGGAGCCATATGTCATCCAGTCTTTGCCCTAGAAGGTATAAACAAATTGGCACC TGTGGTCTCCCTGGAACAAAATGCTGCAAAAAGCCATGAGGAGCCAAGAAGCTGCTGTG GCTGATGCGGATT
Restriction Sites:	Please inquire
ACCN:	NM_004942
Insert Size:	250 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_004942.2.
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).



[View online »](#)

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_004942.2](#), [NP_004933.1](#)

RefSeq Size: 336 bp

RefSeq ORF: 195 bp

Locus ID: 1673

UniProt ID: [O15263](#)

Cytogenetics: 8p23.1

Protein Families: Druggable Genome, Secreted Protein, 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 4, an antibiotic peptide which is locally regulated by inflammation. [provided by RefSeq, Jul 2008]