

## Product datasheet for **SC305733**

### DEFB118 (NM\_054112) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DEFB118 (NM_054112) Human Untagged Clone
Tag:	Tag Free
Symbol:	DEFB118
Synonyms:	C20orf63; DEFB-18; ESC42; ESP13.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305733 representing NM_054112. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAACTCCTGCTGCTGGCTCTTCTATGCTTGTGCTCCTACCCCAAGTGATCCCAGCCTATAGTGGT
GAAAAAATGCTGGAACAGATCAGGGCACTGCAGGAAACAATGCAAAGATGGAGAAGCAGTGAAAGAT
ACATGCAAAAATCTTCGAGCTTGTCTGCATTCCATCCAATGAAGACCACAGGCGAGTTCCTGCGACATCT
CCCACACCCTTGAGTGACTCAACACCAGGAATTATTGATGATATTTAACAGTAAGGTTCCAGCAGAC
TACTTTGAAGTAAGCAGCAAGAAAGATATGGTTGAAGAGTCTGAGCGGGAAGGGGAAGTTCAGACCTCT
CTTCCAAATGTTACCATAGCTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_054112
Insert Size:	372 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.



[View online »](#)

<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>NM_054112.2</u>
<b>RefSeq Size:</b>	1158 bp
<b>RefSeq ORF:</b>	372 bp
<b>Locus ID:</b>	117285
<b>UniProt ID:</b>	<u>Q96PH6</u>
<b>Cytogenetics:</b>	20q11.21
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	13.6 kDa
<b>Gene Summary:</b>	This gene encodes a member of the beta subfamily of defensins. Beta-defensins are antimicrobial peptides that protect tissues and organs from infection by a variety of microorganisms. Expression of this gene is regulated by androgen, and the encoded protein binds to sperm and exhibits antibacterial activity against E. coli. This gene is found in a cluster with other beta-defensin genes on the long arm of chromosome 20. [provided by RefSeq, Nov 2014]