

## OriGene Technologies, Inc.

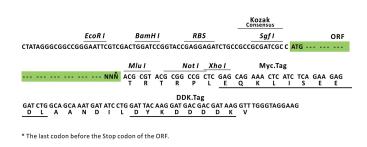
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## Product datasheet for RC208244L3

## beta Defensin 1 (DEFB1) (NM\_005218) Human Tagged Lenti ORF Clone

## **Product data:**

Product Type:	Expression Plasmids
Product Name:	beta Defensin 1 (DEFB1) (NM_005218) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	beta Defensin 1
Synonyms:	BD1; DEFB-1; DEFB101; HBD1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208244).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1         ORF         Mlu I            GCG ATC GC         ATG // NNN         ACG CGT



ACCN: ORF Size: NM\_005218 204 bp

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<b>ORIGENE</b> beta Deta	efensin 1 (DEFB1) (NM_005218) Human Tagged Lenti ORF Clone – RC208244L3
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. <u>More info</u>
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 005218.3</u>
RefSeq Size:	484 bp
RefSeq ORF:	207 bp
Locus ID:	1672
UniProt ID:	<u>P60022</u>
Cytogenetics:	8p23.1
Domains:	Defensin_beta
Protein Families:	Secreted Protein
MW:	7.4 kDa
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 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. [provided by RefSeq, Jul 2008]

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