

## Product datasheet for **RC218421L2V**

### alpha Defensin 1 (DEFA1) (NM\_004084) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	alpha Defensin 1 (DEFA1) (NM_004084) Human Tagged ORF Clone Lentiviral Particle
Symbol:	alpha Defensin 1
Synonyms:	DEF1; DEFA2; HNP-1; HP-1; HP1; MRS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004084
ORF Size:	282 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218421).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004084.2</a>
RefSeq Size:	490 bp
RefSeq ORF:	285 bp
Locus ID:	1667
UniProt ID:	<a href="#">P59665</a>
Cytogenetics:	8p23.1
Domains:	Defensin_propep, DEFSN, defensins
Protein Families:	Druggable Genome, Secreted Protein



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**MW:** 10 kDa

**Gene Summary:** Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation. [provided by RefSeq, Oct 2014]