

Product datasheet for **RG221032**

DEFB108B (NM_001002035) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DEFB108B (NM_001002035) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DEFB108B
Synonyms: DEFB-8; hBD-8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221032 representing NM_001002035
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGATTGCTGCTCCTCCTCTTCGCCATTTCTCTTTATGAGCCAAGTTCTACCAGCCAGGGGCAAAT
TCAAGGAGATCTGTGAACGTCCAATGGCTCCTGTGGGACTTTTGCCTTGAACAGAAATCCATGTTGG
GAGATGTTTAAATAGCCAACCTGCTGCCTGCCTCTGGGGCATCAACCAAGAATTGAGAGCACTACACCC
AAAAAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221032 representing NM_001002035
Red=Cloning site Green=Tags(s)

MRIAVLLFAIFFMSQVLPARGKFKEICERPNGSCRDFCLETEIHVGRCLNSQPCLPLGHQPRIESTTP
KKD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

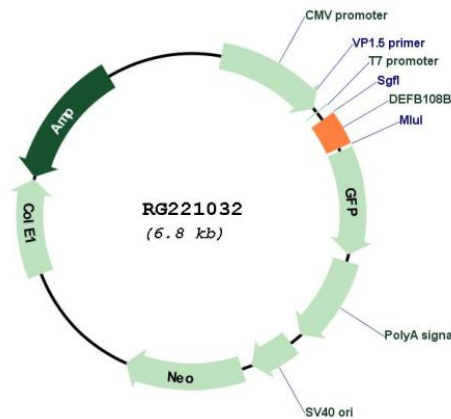


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001002035

ORF Size: 219 bp

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. [More info](#)

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 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.
RefSeq:	NM_001002035.2
RefSeq Size:	222 bp
RefSeq ORF:	222 bp
Locus ID:	245911
UniProt ID:	Q8NET1
Cytogenetics:	11q13.4
Protein Families:	Secreted Protein
Gene Summary:	Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. A pseudogene of this gene has been found on chromosome 8. [provided by RefSeq, Oct 2014]