

Product datasheet for **RG223222**

beta Defensin 3 (DEFB103B) (NM_018661) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: beta Defensin 3 (DEFB103B) (NM_018661) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: beta Defensin 3
Synonyms: BD-3; DEFB-3; DEFB3; DEFB103; HBD-3; HBD3; HBP-3; HBP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223222 representing NM_018661
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGATCCATTATCTTCTGTTTGCTTTGCTCTTCTGTTTTGGTGCCTGTTCCAGGTCATGGAGGAA
TCATAAACACATTACAGAAATATTATTCAGAGTCAGAGGCGGCCGGTGTGCTGTGCTCAGCTGCCTTCC
AAAGGAGAACAGATCGGCAAGTGTCTGACGCGTGCCGAAAATGCTGCCGAAGAAAGAAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223222 representing NM_018661
Red=Cloning site Green=Tags(s)
MRIHYLLFALLFLFLVPVPGHGGIINTLQKYCYCRVGGRCVLSCLPKKEQIGKCSTRGRKCCRKK
SG**P**TRRRLE - GFP Tag - V

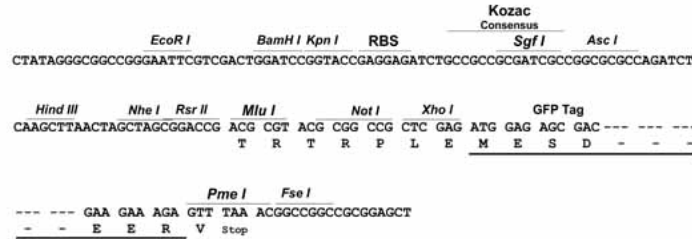
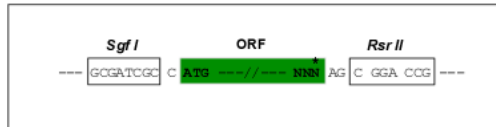
Restriction Sites: SgfI-RsrII



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Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_018661

ORF Size: 201 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).

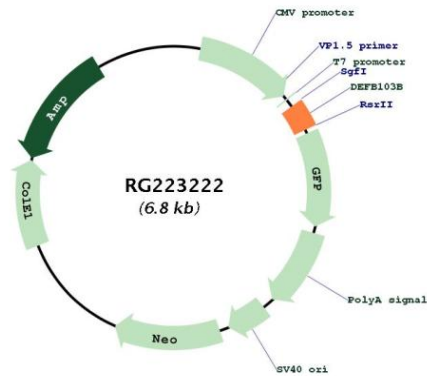
Reconstitution Method:

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_018661.4](#)

RefSeq Size:	523 bp
RefSeq ORF:	204 bp
Locus ID:	55894
UniProt ID:	P81534
Cytogenetics:	8p23.1
Protein Families:	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 103, which has broad spectrum antimicrobial activity and may play an important role in innate epithelial defense. [provided by RefSeq, Oct 2014]

Product images:



Circular map for RG223222