

Product datasheet for **RR213986**

Defb4 (NM_022544) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Defb4 (NM_022544) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Defb4
Synonyms: Defb2; Defb3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213986 representing NM_022544
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGATCCATTACCTCCTTCTCATTCTCCTGGTGTGCTGTCGCCTTTTCAGCCTTTACTCAA
GTATCAACAATCCAATCACATGCCTGACCAAAGGAGCGTATGCTGGGTCCATGACTGGCGGTTTTCG
ACAGATTGGCACTGTGGACTGCCTAGAGTGAGATGCTGCAAGAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213986 representing NM_022544
Red=Cloning site Green=Tags(s)

MRIHYLLFSFLLVLLSPLSAFTQSINNPITCLTKGGVCWGPCTGGFRQIGTCGLPRVRCCKKK

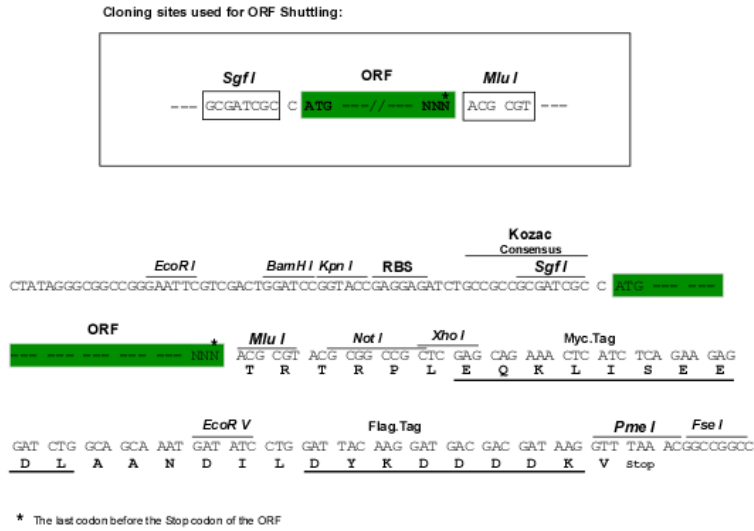
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

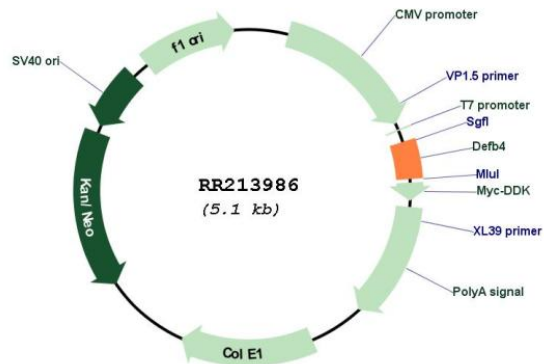


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Cloning Scheme:



Plasmid Map:



ACCN: NM_022544
ORF Size: 189 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_022544.2 , NP_071989.1
RefSeq Size:	421 bp
RefSeq ORF:	192 bp
Locus ID:	64389
UniProt ID:	O88514
Cytogenetics:	16q12.5
MW:	6.9 kDa
Gene Summary:	cationic peptides with broad-spectrum antimicrobial activity; may mediate mucosal defenses of several organs [RGD, Feb 2006]