

Product datasheet for **MR200066**

Defb1 (NM_007843) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Defb1 (NM_007843) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Defb1
Synonyms: AW260221; BD-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200066 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACTCATTACTTTCTCCTGGTGATGATATGTTTTCTTTCTCCAGATGGAGCCAGGTGTTGGCA
TTCTCACAAGTCTTGGACGAAGAACAGATCAATACAAATGCCTTCAACATGGAGGATTCTGTCTCCGCTC
CAGCTGCCATCTAATACCAAACACAGGGAACCTGTAAACCAGATAAGCCCAACTGTTGTAAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200066 protein sequence
Red=Cloning site Green=Tags(s)

MKTHYFLLVMICFLFSQMEPGVILTSLGRRTDQYKCLQHGGFCLRSSCPSENTKLQGTCKPDKPNCKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_007843

ORF Size: 210 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_007843.3](#)

RefSeq Size: 932 bp

RefSeq ORF: 210 bp

Locus ID: 13214

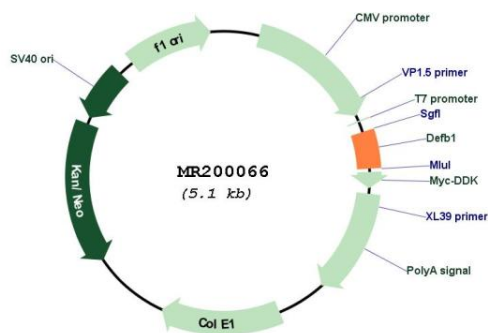
UniProt ID: [P56386](#)

Cytogenetics: 8 10.35 cM

MW: 7.7 kDa

Gene Summary: Has bactericidal activity. May act as a ligand for C-C chemokine receptor CCR6. Positively regulates the sperm motility and bactericidal activity in a CCR6-dependent manner. Binds to CCR6 and triggers Ca²⁺ mobilization in the sperm which is important for its motility. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200066