

## Product datasheet for **MC202150**

### Defb1 (NM\_007843) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Defb1 (NM_007843) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Defb1
Synonyms:	AW260221; BD-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024380 sequence for NM_007843 CTACCTGGGAGTTTCACATCCTCTGCACTCTGGACCCTGGCTGCCACCACTATGAAAACCTACTACTT TTCCTGGTGATGATATGTTTTCTTTCTCCAGATGGAGCCAGGTGTTGGCATTCTCACAAGTCTTGGA CGAAGAACAGATCAATACAAATGCCTTCAACATGGAGGATTCTGTCTCCGCTCCAGCTGCCATCTAATA CCAAACTACAGGGAACCTGTAAACCAGATAAGCCCAACTGTTGTAAGAGCTGACAGTAGTTTGAAGAATG GACATAAAGGACGAGCGATGGATTGAAAATTAGTGTTTTAATAAATGAAATGTTTTTGAAGTTTATTTA CATCATATCAAAATAAATTTTATTTCTCAGTTTAGAAGAGCAAATTTTTTAAAAAGTATTGGGCTTAGA ACAAGAGGTGGGAAAATCCAGAACATCTGCCTGGTCTGAGTAATGATGGTCACAATTTGAGTGATATCA CTTCTATGTAATTTTATCACCATGCAAGATGCATCCAGCACAGGAAGGTCACACGGAATGGAACAGAGAA CACGGTACACAGGCTTCTGGGATATAAAAGAGAATGACTCTTCCACAGTCTTAGCAGTCAGTTCTATGA CACCCCATCTGCAACCTTAGCAATAGAACTCCTTTATAACTGTAAGTTGTCCAACCAGATCGCATCCTC CATGGGTAATGTCTGGATTTCTGGTACTTTTAAAAAAGATTCAGCCACAACCTTTCAAATAAATTGTGT ATCACAAATCTGTGTTGGGACTTGGACATCTGTGATTCAGGTCTTTTTTGCTGTTGTGTCTGTAGACATG CATGAATGAATAAAGCAATCATGACATCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_007843
Insert Size:	210 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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**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:** [BC024380](#), [AAH24380](#)

**RefSeq Size:** 896 bp

**RefSeq ORF:** 210 bp

**Locus ID:** 13214

**UniProt ID:** [P56386](#)

**Cytogenetics:** 8 10.35 cM

**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 Ca<sup>2+</sup> mobilization in the sperm which is important for its motility. [UniProtKB/Swiss-Prot Function]