

Product datasheet for **RC215737**

BD4 (DEFB104A) (NM_080389) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BD4 (DEFB104A) (NM_080389) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BD4
Synonyms: BD-4; DEFB-4; DEFB4; DEFB104; hBD-4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC215737 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAGACTTGTGCTGCTATTAGCCATTTCTTCTACTCTATCAAGATCTTCCAGTGAGAAGCGAAT
TTGAATTGGACAGAATATGTGGTTATGGGACTGCCGTTGCCGGAAGAAATGTCGCAGCCAAGAATACAG
AATTGGAAGATGTCCCAACCTATGCATGCTGTTTGAGAAAATGGGATGAGAGCTTACTGAATCGTACA
AAACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215737 protein sequence
Red=Cloning site Green=Tags(s)
MQRLVLLLAISLLLYQDLPVRSEFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLRKRWDESLLNRT
KP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6450_a10.zip

Restriction Sites: SgfI-MluI



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UniProt ID: [Q8WTQ1](#)

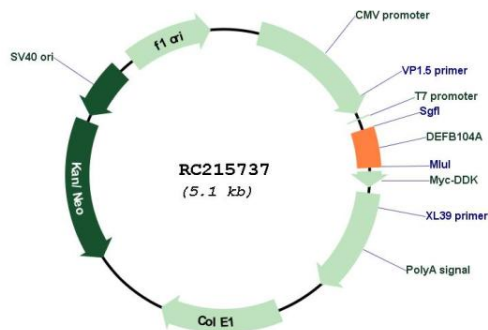
Cytogenetics: 8p23.1

Protein Families: Secreted Protein

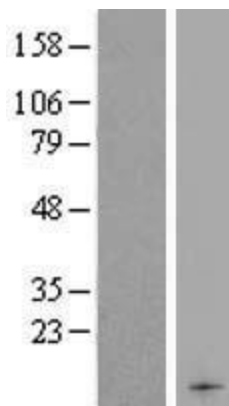
MW: 8.5 kDa

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. Chromosome 8p23 contains at least two copies of the duplicated beta-defensin cluster. This duplication results in two identical copies of defensin, beta 104, DEFB104A and DEFB104B, in head-to-head orientation. This gene, DEFB104A, represents the more centromeric copy. [provided by RefSeq, Oct 2014]

Product images:



Circular map for RC215737



Western blot validation of overexpression lysate (Cat# [LY409182]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215737 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).