

Product datasheet for **RC218446**

DEFB130A (NM_001037804) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DEFB130A (NM_001037804) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DEFB130A
Synonyms: DEFB-30; DEFB30; DEFB130; DEFB130L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218446 representing NM_001037804
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACTCCATTCCCTTATTTCTGTTCTCCTCCTCTTTGTGACTTTAATACCAAAGGAAAGACTGGCG
TTATTCCAGGACAAAAACAGTGTATTGCTTTGAAAGGGGTGTGCAGAGACAACTATGCAGCACTAGA
TGATACCATTGGTATATGAATGAAGGAAAAAATGTTGTAGAAGGTGGTACTTGAGCCCTATCCA
ACTCCGGTCCCAAAGGAAAATCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218446 representing NM_001037804
Red=Cloning site Green=Tags(s)
MKLHSLISVLLLFVTLIPKGKTVIPGQKQCIALKGVCRDKLCSTLDDTIGICNEGKKCCRRWILEPYP
TPVPKGKSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8004_h11.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001037804

ORF Size: 237 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_001037804.1](#), [NP_001032893.1](#)

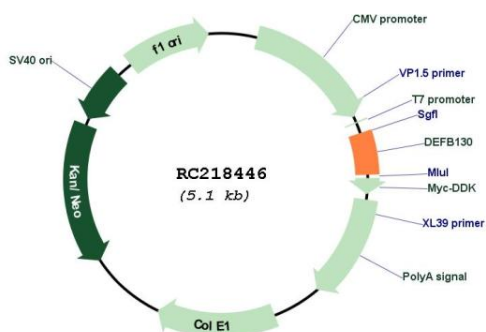
RefSeq Size: 240 bp

RefSeq ORF: 240 bp

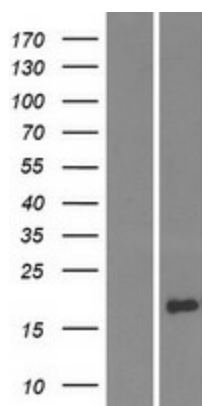
Locus ID: 245940

UniProt ID: [P0DP74](#)
Cytogenetics: 8p23.1
Protein Families: Secreted Protein
MW: 8.6 kDa
Gene Summary: Defensins are cysteine-rich cationic polypeptides that are important in the immunologic response to invading microorganisms. The antimicrobial protein encoded by this gene is secreted and is a member of the beta defensin protein family. Beta defensin genes are found in several clusters throughout the genome, with this gene mapping to a cluster at 8p23. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC218446



Western blot validation of overexpression lysate (Cat# [LY421987]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218446 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).