

Product datasheet for **RG219487**

BD2 (DEFB4A) (NM_004942) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BD2 (DEFB4A) (NM_004942) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BD2
Synonyms: BD-2; DEFB-2; DEFB2; DEFB4; DEFB102; HBD-2; SAP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219487 representing NM_004942
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGGTCTTGTATCTCCTCTTCTCGTTCCTTTCATATTCCTGATGCCTCTTCCAGGTGTTTTGGTG
 GTATAGGCGATCCTGTTACCTGCCTAAGAGTGGAGCCATATGTCATCCAGTCTTTGCCCTAGAAGGTA
 TAAACAAATTGGCACCTGTGGTCTCCCTGGAACAAAATGCTGCAAAAAGCCA

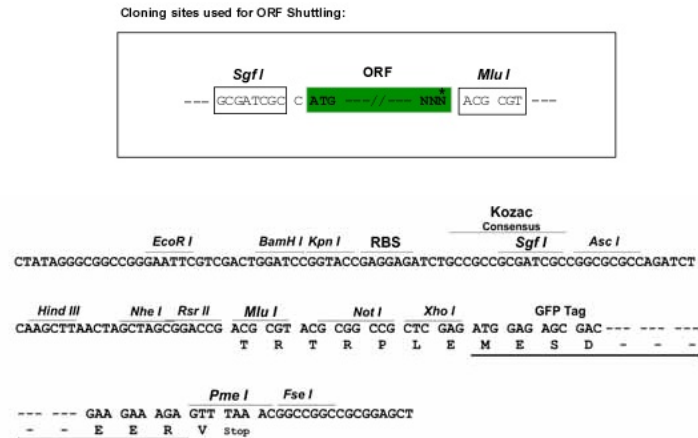
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219487 representing NM_004942
 Red=Cloning site Green=Tags(s)
 MRVLYLLFSFLIFLMLPLPGVFGGIGDPVTCLKSGAICHVPVFCPRRYKQIGTCGLPGTKCCKKP
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_004942

ORF Size: 192 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).

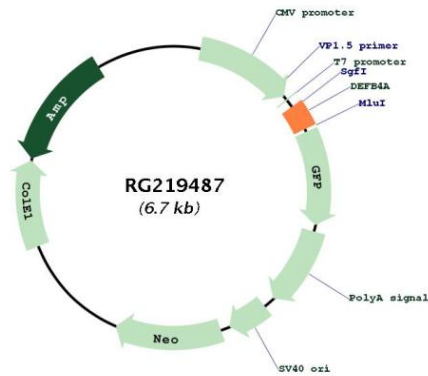
Reconstitution Method:

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_004942.4](#)

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq Size: | 336 bp |
| RefSeq ORF: | 195 bp |
| Locus ID: | 1673 |
| UniProt ID: | O15263 |
| Cytogenetics: | 8p23.1 |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| Gene Summary: | Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 4, an antibiotic peptide which is locally regulated by inflammation. [provided by RefSeq, Jul 2008] |

Product images:



Circular map for RG219487