

Datasheet for ABIN3389276

Human DEFB4 cDNA Clone in Mammalian Expression Vector

Overview

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|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | DEFB4A (DEFB4) |
| Species: | Human |
| Insert: | cDNA |
| Vector: | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP) |

Product Details

| | |
|-----------------------|--|
| Purpose: | Untagged full-length cDNA clone from Human DEFB4A is ideal for over-expression of native protein for functional studies. |
| Brand: | TrueClones® |
| Insert Length: | 250 bp |
| Vector Backbone: | pCMV6-XL5 |
| Promoter: | Enhanced CMV Promoter, T7 Promoter |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient |
| Characteristics: | <ul style="list-style-type: none"> • These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated. • These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids. • Every lot of primer is tested to provide clean sequencing of cDNA clones. |
| Purification: | The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids. |

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Product Details

Sequencing Primer: VP1.5 (forward) 5'GGACTTCCAAAATGTTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'

Components:

- The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.
- The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Target Details

Gene: DEFB4A (DEFB4)

Alternative Name: DEFB4A ([DEFB4 Products](#))

Background: 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].

NCBI Accession: [NM_004942](#), [NP_004933](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT, -20 °C

Storage Comment: The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH₂O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH₂O, store at -20 °C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)

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