

Datasheet for ABIN4926687

Human NDUFC2-KCTD14 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	NDUFC2-KCTD14
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human NDUFC2-KCTD14 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	405 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGATCGCAC GCGGGAACCC AGAACCCCTTA CGGTTTCTGC CGGATGAGGC CCGGAGCCTG CCCCGCCCCA AGCTGACCGA CCCGCGGCTC CTCTACATCG GCTTCTTGGG CTA CTGCTCC GGCCTGATTG ATAACCTAAT CCGGCGGAGG CCGATCGCGA CGGCTGGTTT GCATCGCCAG CTTCTATATA TTACGGCCTT TTTTTTTGCT GGATATTATC TTGTAAAACG TGAAGACTAC

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Product Details

CTGTATGCTG TGAGGGACCG TGAAATGTTT GGATATATGA AATTACATCC AGAGGATTTT
CCTGAAGAAG GGGGTGACAT TGGCCTCTGT TGCTTGTCCT CAGGATCCCT CTCTGACACC
CCTGCTGTGT TTGCTGTGGG GAGTTCTGCT GCCACCACCC ATTAG

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene: NDUFC2-KCTD14

Alternative Name: NDUFC2-KCTD14

Background: This locus represents naturally occurring read-through transcription between the neighboring NDUFC2 (NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5 kDa) and KCTD14 (potassium channel tetramerisation domain containing 14) genes on chromosome 11. The read-through transcripts share sequence identity with the upstream gene product and one variant has a frameshifted C-terminal region derived from the downstream gene exons. [provided by RefSeq, Feb 2011].

Gene ID: 100532726

NCBI Accession: [NM_001203260](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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Handling

- Storage Comment:
- Keep the vial sealed and store at -20°C for long-term storage.
 - Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
 - Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
 - If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
 - Close the lid and vortex the vial for 1 minute.
 - Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.
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Expiry Date: 12 months

Publications

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