

Product datasheet for **RC231682**

NDUFC2-KCTD14 (NM_001203261) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NDUFC2-KCTD14 (NM_001203261) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NDUFC2-KCTD14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231682 representing NM_001203261
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGCACGGCGGAACCCAGAACCCCTTACGGTTTCTGCCGGATGAGGCCGGAGCCTGCCCCGCCCA
AGCTGACCGACCCGCGGCTCCTCTACATCGGCTTCTTGGGCTACTGCTCCGGCCTGATTGATAACCTAAT
CCGGCGGAGGCCGATCGCGACGGCTGGTTTGCATCGCCAGCTTCTATATATTACGGCCTTTTTTTTGGCT
GGATATTATCTTGTAAACGTGAAGACTACCTGTATGCTGTGAGGGACCGTAAATGTTTGGATATATGA
AATTACATCCAGAGGATTTTCTGAAGAAGATGTCTACTGTTGTGGAGCTGAACGTCGGGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231682 representing NM_001203261
Red=Cloning site Green=Tags(s)

MIARRNPEPLRFLPDEARSLPPPKLTDPRLLYIGFLGYCSGLIDNLIARRRPIATAGLHRQLLYITAFFFA
GYLVKREDYLYAVRDREMFGYMKLHPEDFPEEDVYCCGAERRG

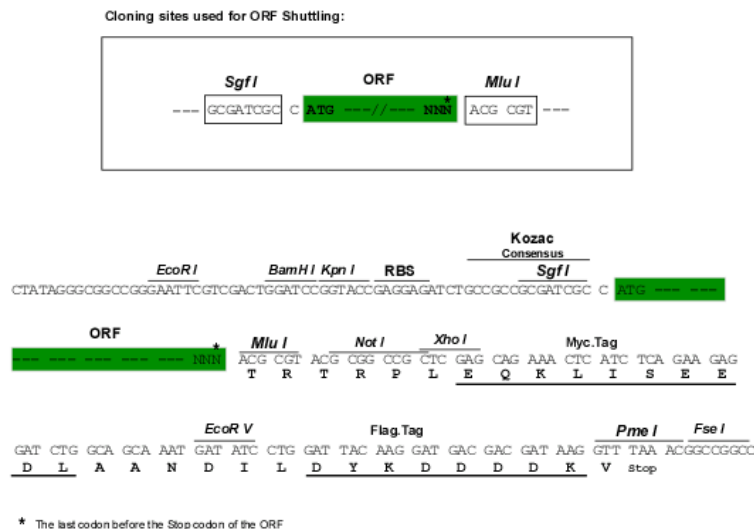
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001203261

ORF Size: 342 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.

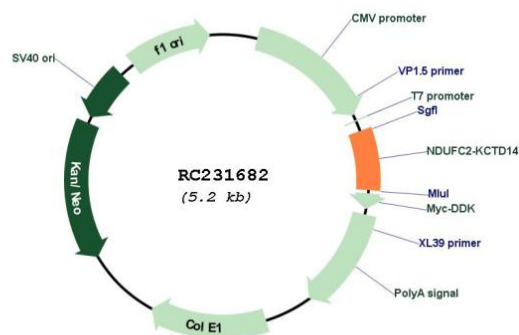
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001203261.2](#)

RefSeq Size: 2341 bp
 RefSeq ORF: 345 bp
 Locus ID: 100532726
 UniProt ID: [E9PQ53](#)
 Cytogenetics: 11q14.1
 MW: 13.9 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring NDUFC2 (NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa) 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]

Product images:



Circular map for RC231682