

Product datasheet for **RC235930**

NDUFC2-KCTD14 (NM_001203260) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: NDUFC2-KCTD14

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PSI00001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC235930 representing NM_001203260
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGCACGCGGAACCCAGAACCCTTACGGTTTCTGCCGGATGAGGCCGGAGCCTGCCCCGCCCA
AGCTGACCGACCCGCGGCTCCTACATCGGCTTCTTGGGCTACTGCTCCGGCCTGATTGATAACCTAAT
CCGGCGGAGGCCGATCGCGACGGCTGGTTTGCATCGCCAGCTTCTATATTACGGCCTTTTTTTTGTCT
GGATATTATCTTGTAAACGTGAAGACTACCTGTATGCTGTGAGGGACCGTGAATGTTTGATATATGA
AATTACATCCAGAGGATTTTCTGAAGAAGGGGTGACATTGGCCTCTGTTGCTTGTCCCAGGATCCCT
CTCTGACACCCCTGCTGTGTTTGTGTGGGAGTTCTGCTGCCACCAACCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235930 representing NM_001203260
Red=Cloning site Green=Tags(s)

MIARRNPEPLRFLPDEARSLPPPKLTDPRLLYIGFLGYCSGLIDNLIARRPIATAGLHRQLLYITAFFFA
GYLVKREDYLYAVRDREMFYMKLHPEDFP EEGD IGLCCLSPGSLSDTPAVFAVGSSAATTH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001203260

ORF Size: 402 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](#)

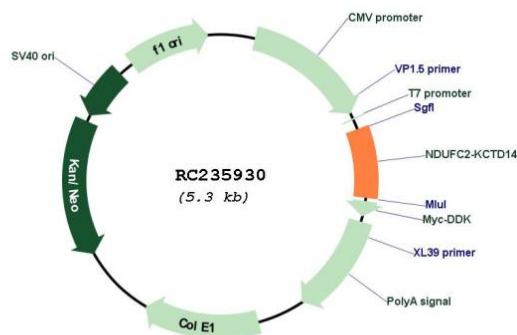
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001203260.2</u>
RefSeq Size:	2436 bp
RefSeq ORF:	405 bp
Locus ID:	100532726
Cytogenetics:	11q14.1
MW:	15.5 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 RC235930