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Product datasheet for RC229502

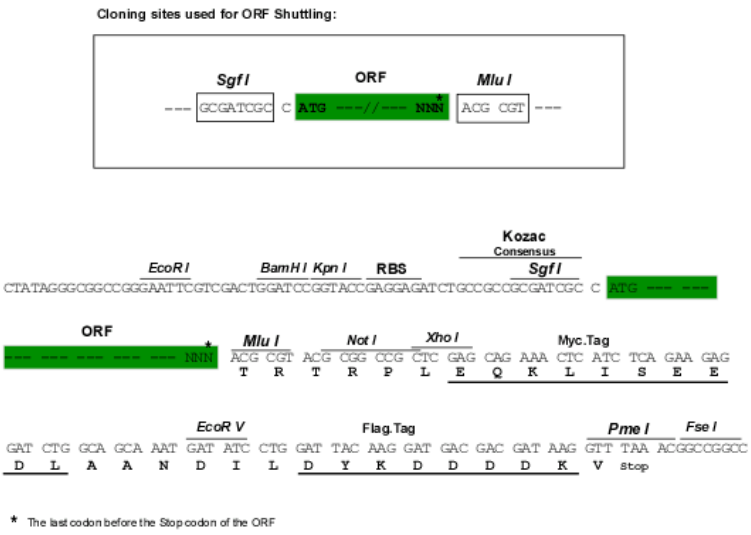
NDUFC1 (NM_001184987) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFC1 (NM_001184987) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDUFC1
Synonyms:	KFYI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229502 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGCCGTCCGCCTTGCTGCGTCCCCTTTCCCGGCTGCTGGCCCCCGCCAGGCTCCCGAGCGGCCCTT CAGTGCGATCAAAGTTCTACGTGCGAGAGCCGCCGAATGCCAAACCTGACTGGCTGAAAGTTGGGTTCAC CTTGGGCACCACTGTCTTCTTGTGGATCTATCTCATCAAACAACACAATGAAGATATTTTAGAGTACAAA AGAAGAAATGGGCTGGAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC229502 protein sequence Red=Cloning site Green=Tags(s) MAPSALLRPLSRLLAPARLPSGPSVRSKFYVREPPNAKPDWLKVGFTLGTTVFLWIYLIKQHNEDILEYK RRNGLE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6377_h12.zip
Restriction Sites:	SgfI-MluI

View online »

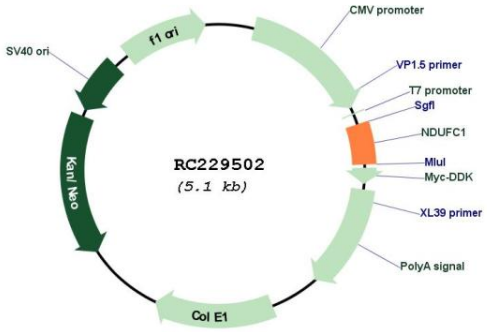
Cloning Scheme:



ACCN:	NM_001184987
ORF Size:	228 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_001184987.1, NP_001171916.1
RefSeq Size:	725 bp
RefSeq ORF:	231 bp
Locus ID:	4717

UniProt ID:	O43677
Cytogenetics:	4q31.1
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	8.7 kDa
Gene Summary:	The encoded protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Product images:



Circular map for RC229502