

Product datasheet for **RR200643**

Ndufv2 (NM_031064) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufv2 (NM_031064) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ndufv2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200643 representing NM_031064
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCTCCTTGGCGCTGCGGGCCAGGGCGTCCGGCCTCACCGCTCAGTGGGGAAGACATGCAAGGAATT
 TGCATAAGACAGCAGTGC AAAATGGTGTGGAGGAGCCTTATTTGTGCATAGAGATACTCCTGAGAATAA
 CCCAGATACTCCATTTGATTTACACCAGAAAACACTACGAGAGGATAGAGGCAATAGTCAGAAACTACCCG
 GAAGGGCACAGAGCAGCAGCTGTGCTTCCAGTGTGGACCTGGCCCAAAGGCAGAATGGGTGGCTGCCTA
 TCTCTGCCATGAACAAGGTGGCAGAAGTTTACAAGTGCCTCCAATGAGAGTCTATGAAGTGGCGACTTT
 TTACACAATGTACAATCGAAAGCCAGTTGGGAAGTACCACATTCAGTCTGCACTACTACACCTTGCATG
 CTTGAGACTCTGACAGCATCCTGGAGACCCTTCAGAGAAAGCTGGGAATAAAAGTTGGAGAGACTACGC
 CTGACAAGCTTTCACTCTTATAGAAGTAGAATGTTTAGGGCCTGTGTAACGCACCGATGGTTCAAAT
 AAACGACGACTACTACGAGGATCTGACACCCAAGGATATTGAAGAGATTATTGATGAACTCAGAGCTGGG
 AAAGTTCCAAAACAGGGCCAAGGAGTGGCCGCTTCTGTTGTGAGCCAGCCGAGGCCTTACTTCTTTGA
 CTGAACCACCAAAGGACCTGGCTTTGGTGTGCAAGCAGGCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAAACACTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200643 representing NM_031064
 Red=Cloning site Green=Tags(s)

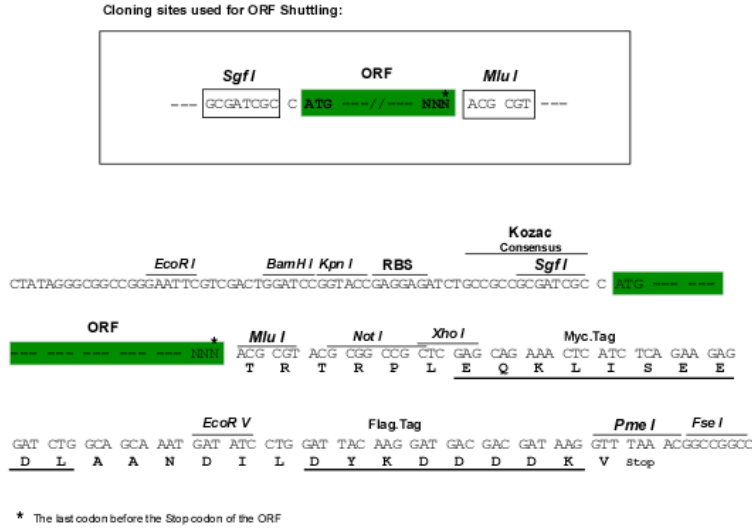
MFSLALRARASGLTAQWGRHARNLHKTAVQNGAGGALFVHRDTPENNPDPDFDTPENYERIEAIVRNYP
 EGHRAAVLPVLDLAQRQNGWLPISAMNKVAEVLQVPPMRVYEVATFYTMYNRKPVGKYHIQVCTTTPCM
 LRSDSILETLQRKLGIKVGETTPDKLFTLIEVECLGACVNAPMVQINDDYEDLTPKDIEEIIDELRLAG
 KVPKPGPRSGRFCEPAGGLTSLTEPPKPGPGFVQAGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

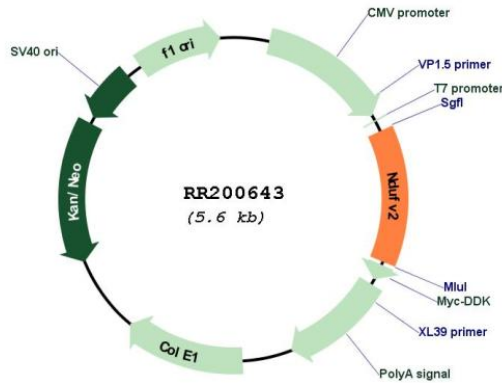


Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031064

ORF Size: 744 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:	<ol style="list-style-type: none">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:	<u>NM_031064.2</u> , <u>NP_112326.1</u>
RefSeq Size:	883 bp
RefSeq ORF:	747 bp
Locus ID:	81728
UniProt ID:	<u>P19234</u>
Cytogenetics:	9q37
MW:	27.4 kDa
Gene Summary:	subunit of NADH dehydrogenase; involved in electron transfer [RGD, Feb 2006]