

Product datasheet for **RN201517**

Ndufa11 (NM_212517) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufa11 (NM_212517) Rat Untagged Clone
Tag: Tag Free
Symbol: Ndufa11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201517 representing NM_212517
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGCGGTTTTTCGAAGCCTACAATGAGACCCCGACGGCACCCAGTGTCATCGCAAGGCCTACA
TCACTACTGCCTTAGGCGGCCTTTGTGGCCTAATAAGCTCTGCTTACAGCATCACACACAACCTGCAGA
TTCTCCCTGGAAGCCGTGGCCAGGGTCGGCCGGTTCACATTCAGTGCAGCTGCTATTGGAGCTATGTTT
GGCCTTACCACCTGTGTCAAGTCCAGGTCGAGAGAAGCCAGATGACCCCTGAACTACTTCATTGGAG
GTTGTGCGGGAGGCCTGACACTGGGAGCACGAACCTCACAGCTACGGGACCGCCGCAATTGGCTGTGTCTA
CATGGGTACCGCGGCCCGCCTGTCAAGATGGCAAGCTGGAGGGCTGGGAGCTGTTGCCACCCCAAG
GT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_212517
Insert Size: 426 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_212517.1](#), [NP_997682.1](#)

RefSeq Size: 538 bp

RefSeq ORF: 426 bp

Locus ID: 301123

UniProt ID: [Q80W89](#)

Cytogenetics: 9q12

Gene Summary: Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.[UniProtKB/Swiss-Prot Function]