

Product datasheet for **MC210268**

Ndufa3 (NM_025348) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufa3 (NM_025348) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ndufa3
Synonyms: 1010001M12Rik; 1700022J01Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210268 representing NM_025348
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGGGAGAATCTCTGCCTTCTCAAGAATGCCTGGCGAAGGAGCCGGTGCTGGTGGTGTCTTCT
CTGTCTGGGGCTCGCTATAATTATGCCATGATTAGCCCCTACACCAAGTATGCTAGCATGATCAACAA
GGCCACACCTACAACCTACCCAGTGCCTGTGAGAGATGACGGGAACATGCCTGATGTGCCAGCCACCT
CAGGATCCTTTGGTCCAAGCTTGGACTGGCTGAAGAACCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_025348
Insert Size: 255 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_025348.2](#), [NP_079624.1](#)

RefSeq Size: 349 bp

RefSeq ORF: 255 bp

Locus ID: 66091

UniProt ID: [Q9CQ91](#)

Cytogenetics: 7 A1

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]