

## Product datasheet for MC211668

### Ndufaf2 (NM\_001127346) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufaf2 (NM_001127346) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ndufaf2
Synonyms:	1810058I14Rik; C86051; mimitin; Ndufa12l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211668 representing NM_001127346 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTGGTGGTCCGGTGTGTGGCGCTCTGTTTGGAGCGCCTTGTCAGGGAGGTGAGGGAGCACGTGG  
GCACGGACCATCTGGGAACAAATACTACTACGTCGCCGAGTACAAGAACTGGAGAGGGCAGACTATTTCG  
AGAGAAAAGGATTGTAGAAGCAGCAACAGAAAAGAGGTAGACTATGAAGCAGGAGACATCCCAACCGAG  
TGGGAAGCATGGATTAGAAGAACAAGGAAGACTCCACCCACTATGGAGGAAATACTAAAGAATGAAAAGT  
ACAGAGAAGAAATTAATAAAAAAGCCAAGATTTTATGAAAAAGATAAACTCGGTAAAGAAACCAAGTGA  
AGAACTCTTGCCCTTACCTACTGCAACTCAAGTTAAAGGGCAGCCTCTGCCCGTATTTTGAAGGGAA  
GAGCCCTCAGTGGCTCCCAACAGCACTGGCAAGACTTTTCAGCCAGGGTCTGGACGCCAGAAGATGGCA  
AAAGACAAAGTCAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001127346
Insert Size:	507 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).



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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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<u>NM_001127346.1</u> , <u>NP_001120818.1</u>
RefSeq Size:	696 bp
RefSeq ORF:	507 bp
Locus ID:	75597
UniProt ID:	<u>Q59J78</u>
Cytogenetics:	13 D2.1
Gene Summary:	Acts as a molecular chaperone for mitochondrial complex I assembly. 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]