

## Product datasheet for RN212663

### Ndufa9 (NM\_001100752) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ndufa9 (NM\_001100752) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ndufa9  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN212663 representing NM\_001100752  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCCGCCGTCGCTTTCCAGTTGTTAGAGCGCTTCCAATGTCACGTCCTGCCATTTCTGCAGCAG  
CCACATCTGTGTCTGCAGCTCATCCCATCGCCAGCTTACCATGCTGCATACCTCATGGGAAAGGTGG  
CCGCTCATCCGTCAGTGGAGTTGTGCCACCGTTCGGAGCAACAGGCTTCTGGGTCGATACGTTGTC  
AACCATCTTGGACGAATGGGGTCACAAGTGATCATACCATATCGGTGCGATATATATGACACCATGCACC  
TTCGTCTAATGGGTGACCTGGGCCAGCTTATCTTTCTGGAGTGGGATGCTCGAGACAAGGATTCTATCAG  
GAAAGCAGTGCAGCACAGCAATGTGGTCAATCTCATTGGGCGGGAGTGGGAGACCAGAACTTTGAT  
TTTGAGGATGTTTTGTGAATATCCTCGAGCAATAGCTCAGGCATCCAAGGAAGCTGGGTTGAGAGAT  
TCATTCATGTCTCACACTTGAATGCCAGTATGAAGAGTTCTGCTAAGTCACTGAGAAGCAAGGCAGTGGG  
AGAGAAGGAAGTGAAGTGTGTTTCTGATGCCATCATACGACCATCTGACATGTTTCGGAAGGGAG  
GACAGGTTCTCAACCACCTTTGCAAATTATCGTTGGTTTCTTGTGTGCCTCTCGTTTCTTTGGGCTTTA  
AGACAGTGAACAACCAGTATATGTTGCAGATGTTTCCAAGGGATTGCTAACCGGACTAAAAATCCAGA  
TGCCATAGGAAAAACCTTTGCCTTACCAGGCCAAATCGGTACCTGCTTCCACTTGGTGAAGTACATC  
TTTGGCATGACCCACAGGACCTTATCCCTTACCCTTGGCCAGGTTTGTGTATAGCTGGATTGGCAGAC  
TCTTCGGGCTGAGTCCATTTGAGCCCTGGACAACAAGGACAAGGTGGAGCGGATACATATCTCAGATGT  
GATGGCGACCGACCTGCCCGCCTGGAAGATCTTGGCGTTCAGCCACACCCTGGAGCTCAAGTCCATC  
GAGGTGCTCCGGCGACATCGCACTTACCCTGGCTGTCTTCTGAGATCGAGGAAACCAAGCTGCCAAGA  
CAGTCAACTAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001100752



<b>Insert Size:</b>	1134 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<u><a href="#">NM_001100752.1</a></u> , <u><a href="#">NP_001094222.1</a></u>
<b>RefSeq Size:</b>	1289 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	362440
<b>UniProt ID:</b>	<u><a href="#">Q5BK63</a></u>
<b>Cytogenetics:</b>	4q42
<b>Gene Summary:</b>	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]