

## Product datasheet for RN212828

### Ndufa10 (NM\_199495) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ndufa10 (NM\_199495) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ndufa10  
**Synonyms:** ndufa10l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN212828 representing NM\_199495  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTTGAGGTTGCTGAGACTTGTCCCGGCGTCGGCGTCCGCGCGGGCCTCGCGCCGGAGCCAGC  
 GCGTGGGACGAATTCATACCAGTGTGACTGCAAGCTGAGGTACGGGCTTTTGGCTTCCATTCTCGGTGA  
 TAAGACAACCAAAAAGCTGCATGAGTACAGCCGAGTGATAACAGTAGATGGCAACATATGCTCTGGGAAA  
 AACAAAGCTCGCAAGGGACATCGCAGAGCAGCTAGGCATGAAGCACTATCCGGAAGCAGGGATACAGTACT  
 CAAGCAGCACCACGGGTGACGGAAGGCCCTCGACATAGAGTTTAGTGGCAGCTGTAGTTTAGAGAAATT  
 TTATGACAATCCCAAAAGCAACGACGGCAACAGCTACCGCTACAGTCTGGCTTTATGCCAGCCGCCCTC  
 CTGCACTACTCAGATGCCCTGGAGCACCTTTGAGCACAGGACAAGGTGTGGTCTTGGAGCGTTCCATCT  
 ACAGTGACTTTGTCTTCTGGAGGCAATGTACAACCAGGGCTTCATCCGAAAGCAGTGTGTGGACCACTA  
 TAATGAAATTAAGCGGCTTACTCTTCCAGAGTACCTGCCACCACATGCAGTCATCTATATCGATGTGCC  
 GTGTGAGAAATACAGAGCAGGATCCAGAAGAAAGGAGATCCACATGAAATGAAGGTCACCTCTGCCTATC  
 TCCAAGACATCGAGGATGCCTACAAGAAAACCTTCTCCCAAAATGAGTGAGATATGCGAGGTGTGGT  
 GTACAGTTCTTGGGAAGCTGAAGACTCAACCAAGGTGGTAGAGGACATTGAGTACCTTAACTACAACAAA  
 GGACCTTGGCTTAAACAGGATGATCGGACCTTTACAACCTGCGGATGCTGGTCCAGGATAAGAGAGAAG  
 TGCTGAATTACACGACCGTCCCAGTTTACCTCCCAGAAATCACTATTGGAGCTCATCAGGGTAGCCGGAT  
 CTACGACAGTTCAGAGAGCTGCCAGGCCGAAGTACGCCCTGGGTACAATGCCGATGTGGGTGACAAG  
 TGGATCTGGCTGAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_199495



<b>Insert Size:</b>	1068 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>NM_199495.2, NP_955789.2</u>
<b>RefSeq Size:</b>	2012 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	678759
<b>UniProt ID:</b>	<u>Q561S0</u>
<b>Cytogenetics:</b>	9q36
<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]