

## Product datasheet for **MC201958**

### **Ndufs8 (NM\_144870) Mouse Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Ndufs8 (NM_144870) Mouse Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Ndufs8
<b>Synonyms:</b>	BC021616; CI-23kD; TYKY
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	PCMV6-Kan/Neo (PCMV6KN)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>BC021616 sequence for NM_144870 CAGGGAAGGAGCCGACACTTCAAGATGTATCGCCTGAGCTCATCAATGCTGCCACGGCCTTGCCCA GGCCATGCGCACAGGACATCTTAATGGACAAAGCCTTCATAGCAGCGCAGTGGCGCAACGTACAAGTAT GTGAATAAGAAGGAACAGGAGTCTGAGGTGGACATGAAGTCCGCAACTGACAGTGCAGCTCGGATTCTGA TGTGGACAGAACTCATCCGAGGACTGGGCATGACCCTAAGTTACCTCTTTCGAGAGCCTGCCACCATCAA CTACCCCTTTGAGAAGGGCCCACTGAGTCCGCGCTTCCGTGGGGAGCATGCACTGCGCCGCTACCCATCT GGAGAGGAGCGTTGCATTGCCTGCAAACTCTGTGAGGCCATCTGTCTGCACAGGCCATCACCATTGAGG CTGAGCCAAGAGCCGATGGCAGCCGCGGACGACACGCTATGACATCGACATGACCAAGTGTATCTACTG TGGTTTCTGCCAGGAAGCCTGCCCTGTTGATGCCATTGTGGAGGGCCCAACTTCGAGTTCTCCACCGAG ACACACGAGGAGTTGCTGTACAACAAGGAGAAGCTACTCAACAATGGAGACAAGTGGGAGCCGAGATCG CTGCCAACATCCAGGCTGACTACCTGTACCGGTGACCAGACCACTGGTGACCTTGGCCACCTGGCTCAGC CTTGTGGCCCTTTAGCCATAAAGAACTATGATCCACAAAAAAAAAAAAAAAAA
<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_144870
<b>Insert Size:</b>	639 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).



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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:** [BC021616](#), [AAH21616](#)

**RefSeq Size:** 755 bp

**RefSeq ORF:** 639 bp

**Locus ID:** 225887

**UniProt ID:** [Q8K3J1](#)

**Cytogenetics:** 19 A

**Gene Summary:** Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.