

Product datasheet for **MC206222**

Ndufs1 (BC006660) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ndufs1 (BC006660) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ndufs1 |
| Synonyms: | MGC7850, MGC19199 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC006660
 CGTCTCCAGGTCGGGCTGACAGAGGTTGCCGTGGCCGCCATATTGACTTAGCGGCCAGGGTTTTGAGGG
 GTCAGGGAGACCCGGACAGGTCGCGGAACTACTCGGTGGGCTCCGGAGGAAAGCCATCATGTTAAGGAT
 ACCTATAAAAAGGGCCTTGATAGGCCTTCTAATTCTCTAAAGGATATGTTCCGACAACGGCACAGCA
 GCAAGTAACTTGATTGAAGTATTTGTTGATGGTCAGTCTGTTCATGGTGAACAGGAACCACTGTTCTGC
 AGGCTTGCAGAAAGGTCGGCATGCAAACTCCCTCGATTCTGTTACCATGAAAGTTGTCTGTTGCTGGAAA
 TTGCAGGATGTGCCTGGTAGAGATTGAGAAAGCTCCAAAGGTTGTCGCTGCTTGTGCTATGCCTGTAATG
 AAGGGCTGGAATATCTTGACAAACTCGGAAAAATCTAAGAAAGCCAGAGAAGGTGTGATGGAGTCTTAT
 TAGCAAATCACCCATTGGATTGCTCTATTTGTGACCAGGGAGGTGAATGTGATCTGCAGGACCAGTCCAT
 GATGTTTTGAAAGTGATAGGAGCCGATTTCTAGAGGGGAAGCGTGTGTTGGAGGACAAGAATTGGGCC
 CTAGTAAAGACCATCATGACTAGATGCATCCAGTGTACCCGGTGCATCAGGTTTGCAAGTGAAGTTGCAG
 GAGTAGATGATTTGGGAACAACAGGAAGAGGAAATGACATGCAAGTTGGCACATACATTGAAAAATGTT
 TATGTCTGAAGTGTCTGGGAATGTCATTGATATCTGCCCTGTAGGGGCCCTAACCTCTAAGCCTTATGCC
 TTTACTGCCCGCCTTGGGAAACAAGAAAGACAGAGTCCATTGATGTAATGGATGCAGTGGGAAGTAACA
 TTGTGGTTAGCACAAGAAGTGGAGAGGTAATGAGGATTTTGCCAAGAATGCATGAAGATTAATGAAGA
 ATGGATCTCTGATAAAACCAGGTTTGTCTATGATGGACTAAAACGTCAAAGACTTACTGAACCAATGGTC
 AGAAACGAAAAAGGGCTTTAACTTATACCTCCTGGGAAGATGCACTCTCTCGTGTAGCTGGAATGTTAC
 AGAATTTTGAAGGCAATGCTGTGGCAGCGATTGCAGGAGGCTTGGTGGATGCTGAAGCCTTAGTAGCTCT
 GAAAGACTTGCTTAATAAAGTTGACTCTGACAACCTATGCACTGAAGAGATCTTCCCCACTGAAGGAGCT
 GGTACAGACTTACGTTCCAATTAATCTTCTCAATACCAATGCTGGTGTGGAAGAAGCAGATGTTGTTCT
 TTCTAGTTGGTACAAATCCAGTTTTGAGGCACCGCTGTTAATGCTAGAATTAGAAAGAGCTGGCTTCA
 TAATGACCTAAAAGTGGCCCTCATCGGTAGTCCAGTGGACCTCACTTACAGATACGACCATCTAGGAGAC
 TCTCCTAAAATTCTGCAAGACATTGCTTCAGGGAGGCATTCATTCTGCGAGGTCTTAAAGGATGCTAAAA
 AACCAATGGTGGTTTTAGGCAGTCTGCACTCCAGAGAGATGATGGAGCAGCAATTCCTTGCAGCTGTGTC
 CAACATGGTACAAAAGATTTCGAGTGACAACCGGTGTTGCTGCAGAGTGGAAAGTTATGAATATTCTGCAT
 AGGATTGCAAGCCAGGTAGCTGCTTTGGACCTTGCTATAAACCTGGGGTGAAGCGATTAGGAAGAACC
 CTCCCAAATGCTGTTTCTTCTGGGAGCAGATGGAGGTTGTATCACGCGACAGGACTTGCCAAAGGATTG
 TTTCAATTGTTTATCAAGGACACCATGGTATGTTGGTCTCCCATGGCTGATGTTATTCTCCAGGGGCT
 GCTTACACAGAAAAGTCTGCTACTTATGTCAATACTGAGGGCAGAGCTCAGCAAACCAAAGTAGCAGTGA
 CGCCTCCTGGCTTGGCAAGAGAAGACTGGAAAATCATAAGAGCTCTCTCTGAGATTGCAGGTATCACTCT
 TCCATATGATACTCTGGATCAAGTAAGGAACCGTCTTGAAGAGGCTCTCTCTAATCTGGTTGATATGAT
 GATATTGAAGAACTAATTACTTTCAGCAAGCAAGTGAGCTTGCCAAGCTAGTAAACCAGGAGGTTCTTG
 CTGACCCACTCGTTCACCTCAGCTAACTATAAAAGACTTCTATATGACAGACTCAATTAGCAGAGCCTC
 ACAGACAATGGCCAAGTGTGCAAAAGCTGCACTGAGGGCGCTCAGGCAGTAGAGGAGCCGTCATATGC
 TGAGACATCTACCAGGGACCCCTTTTGTACTACAGACAGTAAATGGACATTGCTGTAATCCCTTATAAGTTA
 ATGTTTTCCAACATGAGTCTGAATGATGTAATATTTAAAGTTATACTATGCTTATCCGAAAAATGGTATTG
 TACTTATCAAAAATCCTGGCAGTTTTAAATGTATGTAATTGTGTGCAAGCATTAACTAGTTTAATAAAAC
 TATCATTTTCTTTTCATGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC006660

Insert Size: 2184 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).

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: [BC006660](#), [AAH06660](#)

RefSeq Size: 2564 bp

RefSeq ORF: 2184 bp

Locus ID: 227197

Cytogenetics: 1 C2

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). This is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized (By similarity). [UniProtKB/Swiss-Prot Function]