

Product datasheet for MC205082

Ndufa7 (NM_023202) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ndufa7 (NM_023202) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ndufa7 |
| Synonyms: | 14.5kD; 14.5kDa; 2400007M02Rik; CI-B14.5a |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >BC055698 GCGTCCTTCGGAGCGGAAGGAATATGGCGTCCGCTACTCGCGTTATCCAAAAGCTGCGGAACTGGGCGTC TGGGCAAGACCTGCAGGCGAAGCTACAGCTGCGCTACCAGGAGATCGCCAAGCGGACCCAGCCACCTCCG AAATCCCCGTGGGCCCCAGTCACAAGCTGTCCAACAATTACTACTGTACTCGTGATGGCCGCCGGGAAG TTGTGCCTCCCTCAATCATCATGTCTCACAAGGCCCTGGTGTGAGGCAAGGCCGCCGAGAGTTCTGC AATGGCAGCCACTGAGAAGAAGGCAGTGACACCTGCTCCTCCCATGAAGAGGTGGGAGCTGTCCAAGGAC CAGCCATACCTGTGACCCTGCCCTAGGTTACCTTGCTATATATGTCTCTAGGGCCACATGACTGCTTTTC CTCCTTGACTCCCTCTGGGGAGAGTGTGACCTAATTTGTAACAAATATATAGAATTCCACATTAATAAAAAA AAAAAAAAAAAAAA |
| Restriction Sites: | Ascl-NotI |
| ACCN: | NM_023202 |
| Insert Size: | 342 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). |


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| Reconstitution Method: | <ol style="list-style-type: none"> 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. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | BC055698 , AAH55698 |
| RefSeq Size: | 504 bp |
| RefSeq ORF: | 342 bp |
| Locus ID: | 66416 |
| UniProt ID: | Q9Z1P6 |
| Cytogenetics: | 17 B1 |
| Gene Summary: | <p>This gene encodes a subunit of the NADH-ubiquinone oxidoreductase (complex I) enzyme, which is a large, multimeric protein. It is the first enzyme complex in the mitochondrial electron transport chain and catalyzes the transfer of electrons from NADH to the electron acceptor ubiquinone. The proton gradient created by electron transfer drives the conversion of ADP to ATP. Complex I has been biochemically separated into four fractions. The bovine ortholog of this protein has been reported to be part of the I-lambda fraction, which forms the extrinsic globular domain. In humans, deficiencies in complex I are associated with myopathies, encephalomyopathies, and neurodegenerative disorders. Pseudogenes of this gene are located on chromosomes 7 and 16. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (1) encodes the functional protein.</p> |