

Product datasheet for MC202923

Ndufv1 (NM_133666) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufv1 (NM_133666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ndufv1
Synonyms:	CI-51kD
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC014818 sequence for NM_133666
CGCACTTCCTGTGCGCTCCCCACCCCGTGTGTTCTGTGCGCGCCGGTCCC GCGGTTCCGAGTTGTGAAGG
TGACAGCCGGAGGTGACCCGCTGGCTCCCGCATGCTAGCGGCACGGCATTCTCGGCGGTTGGTTC
CCGTGCGGGTATCTGTGGTTTTAGCAGCGGCACGACAGCACCAAGAAAACCTCATTGTGCTCACTGAA
GGATGAAGACCGGATCTTTACCAACCTGTATGGGCGCCATGACTGGAGGCTGAAAGGTGCCTGAGACGG
GGTACTGGTACAAGACAAAGGAGATCCTGCTGAAGGGGCTGACTGGATCTTGGGTGAGATGAAGACAT
CAGGTTTACGGGGCCGTGGTGGTCTGGCTTCCCCACTGGCCTCAAGTGGAGCTTCATGAATAAGCCCTC
AGATGGCAGGCCAAGTATCTGGTGGTGAATGCTGACGAGGGAGAGCCAGGCACCTGTAAGGACCGAGAG
ATCATGCGTCATGACCCTACAAGCTGGTGAAGGCTGCCTTGTGGGAGGCCGGCCATGGGAGCCCGGG
CCGCTATATCTACATCCGAGGGGAATTCTACAACGAGGCCTCCAATTTGCAGGTAGCTATCCGAGAGGC
CTATGAAGCAGGTCTGATTGGCAAGAATGCTTGTGGCTCCGACTATGATTTTGATGTGTTTGTGGTGCCT
GGGCTGGGGCTACATCTGTGGAGAAGAGACGGCACTTATTGAATCCATTGAAGGCAAGCAGGGAAGC
CACGCCTGAAGCCGCCCTTTCCAGCAGATGTGGGAGTGTGGATGCCCAACAATGTGGCAATGTGGA
GACAGTGGCTGTGTCCTCCACCATTGCGCTCGTGGGGCACCTGGTTTGTGGCTTTGGCCGAGAACGC
AATTACAGTACCAAATGTTTAAACATCTCTGGCCATGTCAACCACCCCTGCACTGTGGAGGAAGAGATGT
CTGTGCCACTGAAAGAGCTGATTGAGAAACATGCTGGTGGTGTGACAGGTGGCTGGGACAACCTCCTTGC
TGTGATTCCTGGTGGCTCATCTACTCCACTGATCCCAAATCTGTGTGTGAGACCGTGCTAATGGACTTC
GATGCACTGGTGCAGGCTCAGACAGGCCTGGGCACGGCTGCAGTATTGTTATGGATCGCTCGACAGACA
TTGTGAAAGCCATCGCTCGTCTCATTGAGTTCTACAAGCATGAGAGCTGTGGCCAGTGTACCCCGTGCCG
TGAGGGCGTTGACTGGATGAACAAGGTGATGGCCGATTTGTGAAGGGAGATGCCCGGCCAGCTGAGATT
GACTCCCTGTGGGAGATCAGCAAGCAGATAGAAGGCCACACCATTGTGCTCTGGGTGATGGGGCTGCCT
GGCCAGTACAGGGTCTGATCCGACATTTAGGCCAGAGCTTGGAGATCGGATGCAACGGTTTGGCCAGCA
GCACCGGGCTGGCAGGCAGCCTCGTGAGTCCACACCCTAGCCTGACAATTTCTCATCCCTTTGGGAAAC
TGGACAATAAACAAGTGCTGTCCACTCTCCAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_133666
Insert Size:	1395 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:	<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.
RefSeq:	BC014818 , AAH14818
RefSeq Size:	1585 bp
RefSeq ORF:	1395 bp
Locus ID:	17995
UniProt ID:	Q91YT0
Cytogenetics:	19 A
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. This gene is a core subunit and is conserved in prokaryotes and eukaryotes. The human ortholog of this protein has been characterized. It has consensus motifs for NADH, flavin mononucleotide, and iron-sulfur binding sites and participates in the oxidation of NADH as part of the dehydrogenase module of complex I. In humans, deficiencies in complex I are associated with myopathies, encephalomyopathies, and neurodegenerative disorders. [provided by RefSeq, Jun 2013]</p>