

Product datasheet for SC113024

NDUFV3 (NM_021075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFV3 (NM_021075) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFV3
Synonyms:	CI-9KD; CI-10k
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021075, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTGCCCCGTGTTTCTGCGGCAAGGACGAGCCGGGGCGCTGAAGACTATGCTCCAGGAAGCCAGG
TGTTTCGAGGACTTGCTTCTACGGTTTCTTTGTCTGCGGAATCAGGGAAGAGTGAAGGGTTCAGCCACA
GAATTCGAAGCAAGTCCACCAAAAAATGTAGTGAACCAAGGAGAGGGGCAAGCTCCTAGCCACC
CAGACAGCAGCTGAATTGTCTAAAACTTATCTTACCCAGTTCTTACCCGCCAGCTGTGAATAAGGGCA
GGAAGGTAGTAGTCCCAGTCCCAGTGGCAGCGTGCTATTCACAGATGAAGGGTTCGAAATTTTGTG
AAGAAAGACTTTGGTAGAGTTTCCACAGAAAGTCTGTCTCCATTCAGAAAACAGGGCTCTGATTGAGAA
GCTCGTCAGGTGGTTCGAAAGTGACGTGCCTTCGTCTTCATCCTCTTCCAGCTCCTCTGATTCTGAAT
CTGATGATGAGGCTGACGTTTCAGAGGTACTCCTCGAGTGGTGAGCAAAGGCAGAGGGGGCTTCGAAA
ACCAGAGGCTCTCATTCTTTGAAAACAGAGCCCCCGAGTTACAGTATCAGCAAAAGAGAAAACCTTG
CTGCAGAAGCCGATGTGGACATTAAGTATCCAGAGAAGCCCCACCAGCCAAAGAAGAAAGGGTCCCTG
CTAAGCCATCAGAAGGCAGGGAAAATGCGAGACCAAAACCAATGCCAGATCTCAAGTAGATGAAGA
GTTTTTGAAGCAAAGTTAAAGGAAAAACAATTGCAGAAAACATTTAGATTAATGAAATAGATAAAGAA
AGCCAAAAGCCATTTGAAGTTAAAGGACCCTTACCTGTCCACAAAAATCAGGGTGTCTGCGCCACCGA
AGGGCAGCCCAGCGCCTGCTGTGTTGGCAGAAGAGGCCAGAGCAGAGGGGCGAGCTGCAAGCCAGTCTCC
TGGGGCGCAGAGGGGCATCTGAAAAACCCGTGCCAGAGCCCCAGCGCAAGGCGCCCTCCCTGCCC
AGAAAGGAAACCTCAGGGACGCAGGGAATAGAAGGCCACCTGAAGGGTGGACAGGCAATCGTGGAAGATC
AGATACCACCAAGCAATTTGGAGACAGTTCTGTTGAGAATAACCACGGTTTCCATGAAAAGACAGCAGC
GCTGAAGCTTGAGGCCGAGGGCGAGGCCATGGAAGATGCAGCCGCGCCAGGGGACGACCGAGGCGGCACA
CAGGAGCCAGCCCAGTGCCTGCTGAGCCGTTTGACAACACTACCTACAAGAACCTGCAGCATCATGACT
ACAGCAGTACACCTTCTTAGACCTCAACCTCGAACTCTCAAATTCAGGATGCCTCAGCCCTCCTCAGG
CCGGGAGTCACCTCGACACTGA

```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_021075 unedited</p> <pre>GTCGGAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGCCTCGTGCCGA ATTCGGCACGAGGCTTGGTGCGCCCGCTGTACCAGCCATGGCTGCCCCGTGTTTGTGCG GCAAGGACGAGCCGGGGCGCTGAAGACTATGCTCCAGGAAGCCAGGTGTTTCGAGGACT TGCTTCTACGGTTTCTTTGTCTGCGGAATCAGGGAAGAGTGAAAAGGGTCAGCCACAGAA TTCCAAGAAGCAAAGTCCACCAAAAAAGCCAGCCCAGTGCCTGCTGAGCCGTTTGACAA CACTACCTACAAGAACCTGCAGCATCATGACTACAGCACGTACACCTTCTTAGACCTCAA CCTCGAACTCTCAAATTCAGGATGCCTCAGCCCTCCTCAGGCCGGAGTCACCTCGACA CTGAGGGCCCTCGGTGTGAAGATGAACCTTCCACCGTCTTCACTGCATCCTGGAGTGCAA AAATAAAATCCAAGAGTCACAAGGCCCGCTGTGCATAATCGGTTTCACTTTTACCT TTTTTTTTTTTTTTTTTTTTGAGACAGGGTCTCACTCTGTACCCAGGCTGGAGTGCAGT GGCACATTCTCGGCTCACTGCAACTTCCGCCTCCTGGTTCAAGTGATTCTCCACCTCA GCCTTCCAAGTAGGTGGATTACAGGTAATCACCACAGTCCAGCTAACTTTTGTATTT TTAGTAGAGACAGGGTTTACCATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGAT GGTCTGCCACCTCCGCCTCCCAAAGTGTGGGATTACAAGCGTGAGCAACTGCGCCCCGG CACTTTTACACTTTTACAGTGAGTGGTGAATTAGCAACANGTACACTTGATATCCACA TAATATTTGGAATAACTACTATT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_021075 unedited</p> <pre>TGGTGCTCAGCTGGTTATCGTTAATGCGGAAATGACTAGGCTGAGCACAGTAGAATACA CCGCTCTAAAGCACTTAAAATTTCTAATTATATGGATTGCCCAGTGATTCATAACCTT AGAGTTTAAAGAAAATTCCTTGCACATAGTAGATTTCCAAAATATATGTTGGATAATCA GTGTTACTGTTGTAATTCACCACTCACTGTAAAAAGTGTAAAAGTGGCCGGGCGCAGTG GCTCAGCCTGTAATCCCAGCACTTTGGGAGGCGGAGGTGGGCAGACCATCTGAGTTCAG GAGTTCGAGACCAAGCCTGGCCAACATGGTGAACCCCTGTCTACTAAAAATACAAAAGT TAGCTGGACCTGGTGGTGTAGTACCTGTAATCCCACCTACTTGGGAGGCTGAGGTGGGAGA ATCACTTGAACCCAGGAGGCGGAAGTTCAGTGTAGCCGAGAAATGTCCACTGCACTCCAG CCTGGGTGACAGAGTGAGACCCTGTCTCAAAAAAAAAAAAAAAAAAAAAAGGTAAGTGA AACCGATTATGCACAGCGGGCCTTGTGACTCTTGAGTGGATTTTATTTTGCCTCCANG ATGCAGTGAAGACGGTGGAAAGTTCATCTTACACCCGAGGGCCCTCAGTGTGAGGTGAC TCCCGCCTGANGAGGGCTGAGGCATCCTGAATTTTGTAGAGTTCGAGGTTGAGGTCTAAG AAGTGTACGTGCTGTANTCATGATGCTGCAGTTCTTGTAGTGTGTTGTCAAACGGCT CACCAGGCACTGGGGCTGGCTTTTTTGGTACTTTGCTCCTGGAATTCTGGGCTGACCT TTTACTTTTCTGATTCCGAAACAAAAACCGTAAAGCAGTTCTCAAACTGGGCTTCTG NACATATTTAAGGCCCGCTGTCTGCCAGCAAACGGGCACCATGCGGTACACGGGCC CAACCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_021075
Insert Size:	1220 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: [NM_021075.1](#), [NP_066553.1](#)

RefSeq Size: 2151 bp

RefSeq ORF: 2151 bp

Locus ID: 4731

UniProt ID: [P56181](#)

Cytogenetics: 21q22.3

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Gene Summary: The protein encoded by this gene is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The encoded protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).