

Product datasheet for **SC319303**

NDUFA9 (NM_005002) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NDUFA9 (NM_005002) Human Untagged Clone
Tag: Tag Free
Symbol: NDUFA9
Synonyms: CC6; CI-39k; CI39k; COQ11; MC1DN26; NDUFS2L; SDR22E1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005002.3
 GTGGGAAAAGATGGCGGCTGCCGACAATCCCGGGTTGTCGGGCTCTGCAATGTCACG
 TTCTGCCATTACTGCAATAGCCACATCTGTGTGTCACGGCCACCCTGTCGCCAGCTTCA
 TCATGCCCTCATGCCTCATGGGAAAGGTGGACGTTCTCAGTCAGTGGGATTGTGGCCAC
 TGTGTTTGGAGCAACAGGATTCTGGGGCGATATGTTGTCAACCACCTTGGACGCATGGG
 GTCACAGGTAATCATACCCTATCGGTGTGATAAATATGACATCATGCACCTTCGTCAT
 GGGTGACCTGGCCAGCTTCTGTTTCTGGAATGGGACGCGAGAGATAAAGATTCTATCCG
 ACGAGTAGTACAACACAGCAATGTGGTCATCAATCTTATTGGACGAGACTGGGAAACCA
 AAACCTTTGATTTTGGAGATGTTTTGTGAAGATCCCCAAGCAATTGCTCAACTGTCCAA
 GGAAGCTGGAGTTGAAAAATTCATTCATGTTTCACATCTGAATGCGAATATTAAGGCTC
 TTCTAGATATTTGAGAAATAAGGCTGTTGGAGAGAAAGTAGTGAGAGATGCATTTCCGGA
 AGCCATTATCGTAAAGCCGTCGGACATCTTTGGAAGAGAGGATAGATTCTTAATCTTT
 TGCAAGTATGCATCGGTTTGGTCTATACCCCTTGGTTCCCTTGGGCTGGAAGACAGTTAA
 ACAACCAGTATATGTCGTAGATGTATCCAAAGGAATTGTTAATGCAGTTAAGGATCCTGA
 TGCCAATGGGAAATCCTTTGCTTTGCTGGTCCCAGTCGGTACCTCCTTTCCACCTGGT
 GAAGTACATCTTTGCTGTGGCTCACAGATTGTTCTCCATTCCCCTTGGCGCTTTTTCG
 CTATCGATGGGTAGCAAGAGTCTTTGAAATAAGCCATTGAGCCCTGGATAACAAGGGA
 TAAAGTGGAGCGGATGCACATCACAGACATGAAATTGCCTCACCTGCCTGGCTTAGAAGA
 CCTTGGTATTTCAGGCAACACCACTGGAAGTCAAGGCCATTGAGGTGCTGCGGCGTCATCG
 CACTTACCCTGGCTGTCTGCTGAAATTGAGGATGTGAAGCCGGCCAAGACCGTCAACAT
 TTAGTGCCTCCTGAGCAGCTCTTGGTTTTGGCGTCTTTTGGGTCGGCCATGTGGTTTGA
 GCACCCAGCCAGGCGGTCTTTAGAGGATCCTGTACACAGTTCCACTATTAACATTT
 CAGGTTGAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_005002
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_005002.3</u> , <u>NP_004993.1</u>
RefSeq Size:	1334 bp
RefSeq ORF:	1134 bp
Locus ID:	4704
UniProt ID:	<u>Q16795</u>
Cytogenetics:	12p13.32
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Gene Summary:	The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. A pseudogene has been identified on chromosome 12. [provided by RefSeq, May 2010]