

Product datasheet for RC203464

NDUFA9 (NM_005002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFA9 (NM_005002) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDUFA9
Synonyms:	CC6; CI-39k; CI39k; COQ11; MC1DN26; NDUFS2L; SDR22E1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203464 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGCCGACAATCCCGGGTTGTCCGGTCTGTCAATGTCACGTTCTGCCATTACTGCAATAG
CCACATCTGTGTGCACGGCCACCCTGTCCGAGCTTCATCATGCCCTCATGCCCTATGGGAAAGGTGG
ACGTTCTCAGTCAGTGGGATTGTGGCCACTGTGTTGGAGCAACAGGATTCCTGGGGGATATGTTGTC
AACCACCTTGACGCATGGGTACAGGTAATCATACCCTATCGGTGTGATAAATATGACATCATGCACC
TTCGTCCCATGGGTGACCTGGGCCAGCTTCTGTTCTGGAATGGGACGCGAGAGATAAAGATTCTATCCG
ACGAGTAGTACAACACAGCAATGTGGTCATCAATCTTATTGGACGAGACTGGGAAACAAAACTTTGAT
TTTGAGGATGTTTTGTGAAGATTCCCCAAGCAATTGCTCAACTGTCCAAGGAAGCTGGAGTTGAAAAAT
TCATTCATGTTTCACATCTGAATGCGAATATTAAGCTCTTCTAGATATTTGAGAAATAAGGCTGTTGG
AGAGAAAGTAGTGAGAGATGCATTTCCGGAAGCCATTATCGTAAAGCCGTCGGACATCTTTGGAAGAGAG
GATAGATTCCTAATTCTTTGCAAGTATGCATCGGTTGGTCTATACCCCTTGTTCTTTGGGCTGGA
AGACAGTTAAACAACCAGTATATGTCGTAGATGTCAAAGGAATTGTTAATGCAGTTAAGGATCCTGA
TGCCAAATGGGAAATCCTTTGCTTTGCTTGGTCCAGTCGGTACCTCTTTCCACCTGGTGAAGTACATC
TTTGCTGGCTCACAGATTGTTCTCCATTCCCCTTGGCGCTTTTGCCTATCGATGGGTAGCAAGAG
TCTTTGAAATAAGCCATTTGAGCCCTGGATAACAAGGATAAAGTGGAGCGGATGCACATCACAGACAT
GAAATTGCCTCACCTGCCTGGCTTAGAAGACCTTGGTATTCAGGCAACACCACTGGAACCTCAAGGCCATT
GAGGTGCTGCGGCGTCATCGCACTTACCCTGGCTGTCTGCTGAAATTGAGGATGTGAAGCCGGCCAAGA
CCGCAACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_005002.5](#)

RefSeq Size: 1621 bp

RefSeq ORF: 1134 bp

Locus ID: 4704

UniProt ID: [Q16795](#)

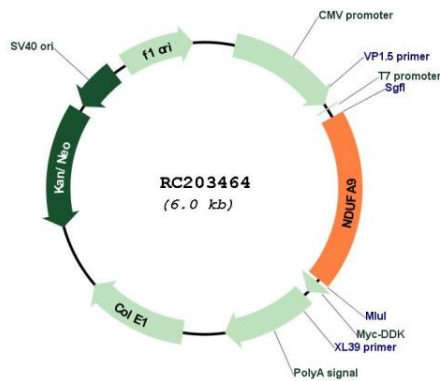
Cytogenetics: 12p13.32

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

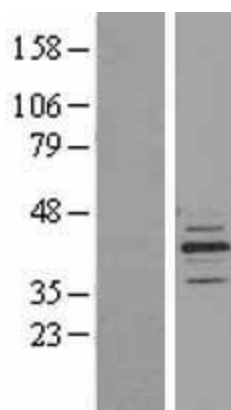
MW: 42.5 kDa

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]

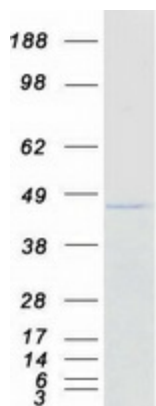
Product images:



Circular map for RC203464



Western blot validation of overexpression lysate (Cat# [LY401557]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203464 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NDUFA9 protein (Cat# [TP303464]). The protein was produced from HEK293T cells transfected with NDUFA9 cDNA clone (Cat# RC203464) using MegaTran 2.0 (Cat# [TT210002]).