

# Product datasheet for RC200223

# NDUFB9 (NM\_005005) Human Tagged ORF Clone

## **Product data:**

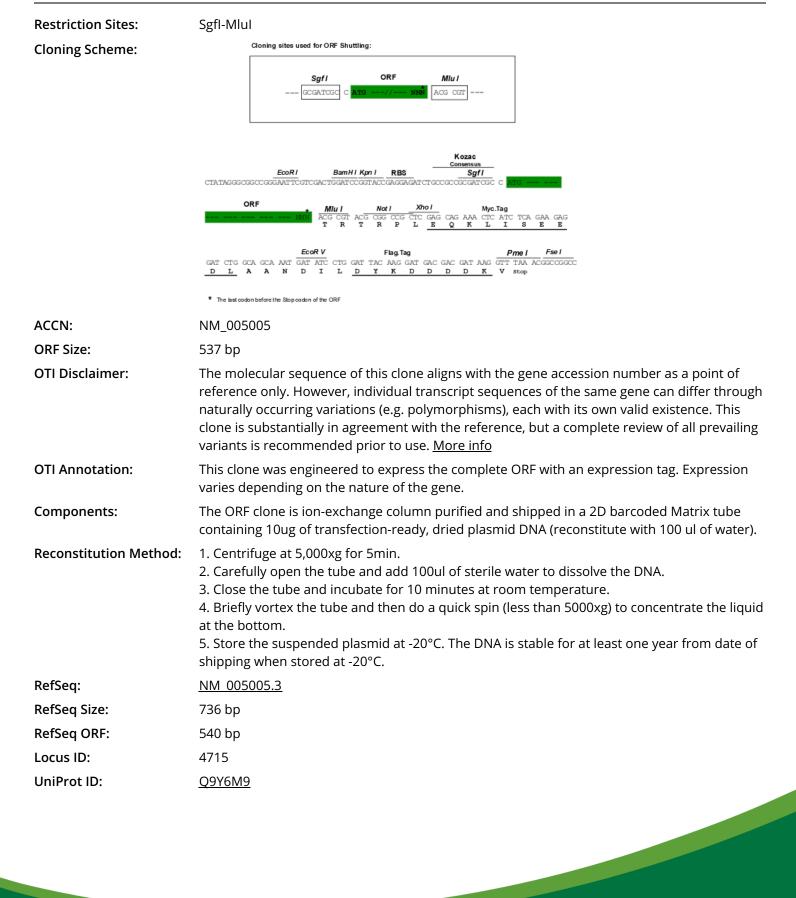
#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	NDUFB9 (NM_005005) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDUFB9
Synonyms:	B22; CI-B22; LYRM3; MC1DN24; UQOR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC200223 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGTTCTTGGCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGC TACGCCACCTCGAGTCGTGGTGCGTCCAGAGAGAGACAAATACCGATACTTTGCTTGTTGATGAGAGACCCG GTTTGAAGAACATAAGAATGAAAAGGATATGGCGAAGGCCACCCAGCTGCTGAAGGAAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>RC200223 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MAFLASGPYLTHQQKVLRLYKRALRHLESWCVQRDKYRYFACLMRARFEEHKNEKDMAKATQLLKEAEEE FWYRQHPQPYIFPDSPGGTSYERYDCYKVPEWCLDDWHPSEKAMYPDYFAKREQWKKLRRESWEREVKQL QEETPPGGPLTEALPPARKEGDLPPLWWYIVTRPRERPM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6381_b10.zip

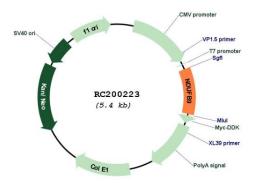


### Sourigene NDUFB9 (NM\_005005) Human Tagged ORF Clone – RC200223

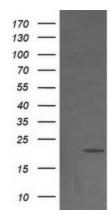


ORIGENE NDUFB9 (NM_005005) Human Tagged ORF Clone – RC200223	
Cytogenetics:	8q24.13
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	21.8 kDa
Gene Summary:	The protein encoded by this gene is a subunit of the mitochondrial oxidative phosphorylation complex I (nicotinamide adenine dinucleotide: ubiquinone oxidoreductase). Complex I is localized to the inner mitochondrial membrane and functions to dehydrogenate nicotinamide adenine dinucleotide and to shuttle electrons to coenzyme Q. Complex I deficiency is the most common defect found in oxidative phosphorylation disorders and results in a range of conditions, including lethal neonatal disease, hypertrophic cardiomyopathy, liver disease, and adult-onset neurodegenerative disorders. Pseudogenes of this gene are found on chromosomes five, seven and eight. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

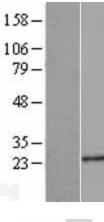
# **Product images:**



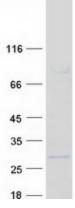
Circular map for RC200223



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NDUFB9 (Cat# RC200223, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NDUFB9 (Cat# [TA502568]). Positive lysates [LY417578] (100ug) and [LC417578] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY417578]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200223 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NDUFB9 protein (Cat# [TP300223]). The protein was produced from HEK293T cells transfected with NDUFB9 cDNA clone (Cat# RC200223) using MegaTran 2.0 (Cat# [TT210002]).