

# Product datasheet for MR201589

## Ndufb9 (NM\_023172) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

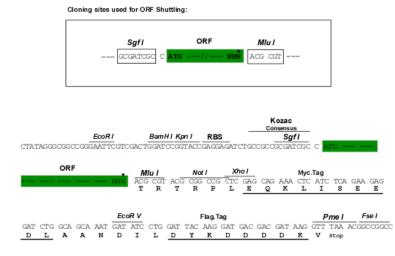
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Product Type:	Expression Plasmids
Product Name:	Ndufb9 (NM_023172) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndufb9
Synonyms:	1190008J14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201589 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGTTCTGCGCTCCCCCGGCCTACCTGACCCACCAGCAGAAGGTGCTGCGGGCTGTATAAGCGCGCGC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>MR201589 protein sequence Red=Cloning site Green=Tags(s)
	MAFCAPPAYLTHQQKVLRLYKRALRHLESWCIHRDKYRYFACLMRARFEEHKNEKDMMRATQLLREAEEE FWQNQHPQPYIFPDSPGGTSFERYECYKVPEWCLDYWHPSEKAMYPDYFSKREQWKKLRMESWDREVKQL QEETSPDGIMTEALPPARREGDLPPLWWHIVTRPRERPT
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



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#### **Cloning Scheme:**



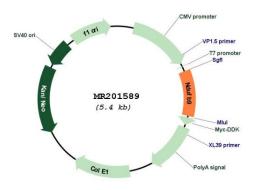
\* The last codon before the Stop codon of the ORF

ACCN:	NM_023172
ORF Size:	540 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 023172.4</u>
RefSeq Size:	651 bp
RefSeq ORF:	540 bp
Locus ID:	66218
UniProt ID:	<u>Q9CQI8</u>
Cytogenetics:	15 D1

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	Ndufb9 (NM_023172) Mouse Tagged ORF Clone – MR201589
MW:	22 kDa
Gene Summary:	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR201589

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